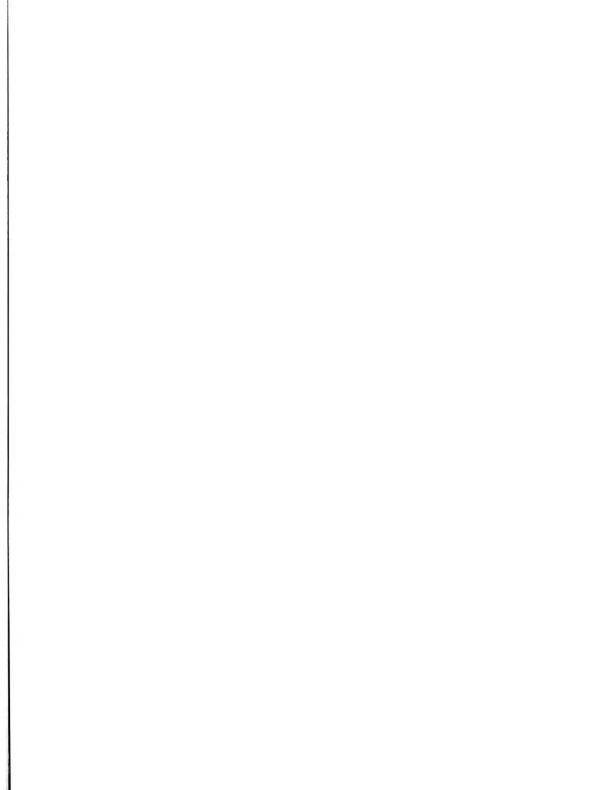
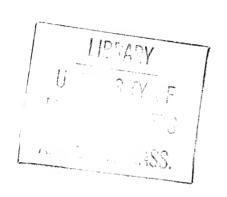


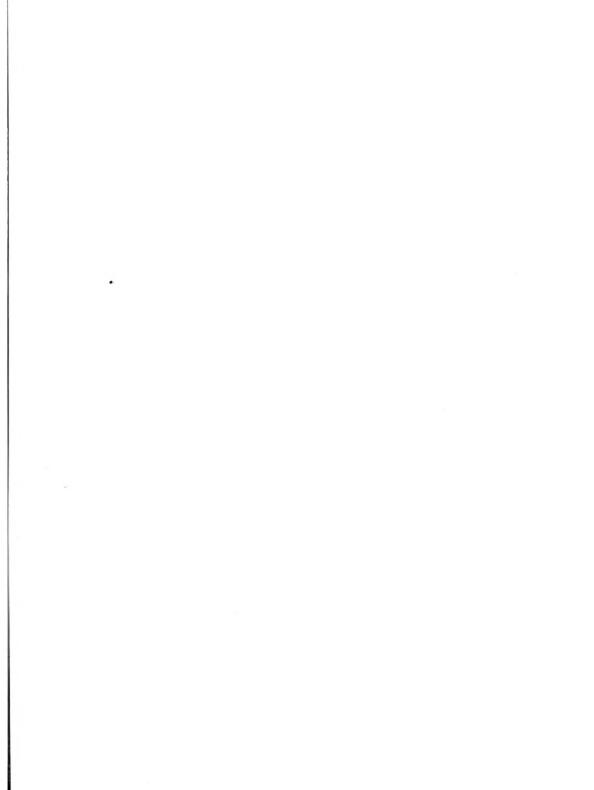
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A Monthly Publication, Devoted to the Improvement of

AGRICULTURE AND HORTICULTURE,

AND TO

RURAL AND DOMESTIC ECONOMY.

EDITED BY

JOHN J. THOMAS AND M. B. BATEHAM, '

ASSISTED BY DAVID THOMAS AND OTHERS.

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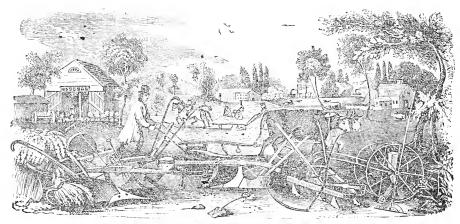
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OF THE SECTION OF THE

ROCHESTER SEED STORE

AND

AGRICULTURAL REPOSITORY.

M. B. BATEHAM, PROPRIETOR.

Another year has been added to the successful history of this establishment, and the proprietor offers his renewed acknowledgements for the continuance of liberal patronage and public confidence.—He would now it form his friends, that having relinquished the charge of the New Genesee Farmer, (to abler hands,) he we hereafter devote his whole attention to the business of the Store, confident that he will thereby give increase satisfaction to his customers.

A full supply of all kinds of SEEDS are now on hand for the coming season; part of them raised in this venity the past season, by C. F. Crosman and other careful secd-growers, and the rest obtained from the morespectable foreign sources. Knowing that success in this business must depend on merit, great pains will taken to have all seeds just what they should be—of the right kinds and the best quality.

Of Agricultural Implements, Garden Tools, Books, &c., there is a good supply on hand, by many more will be obtained in the spring, when it is intended to enlarge the establishment so as to allow more

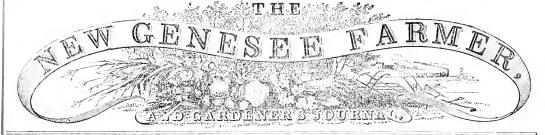
room for this class of articles.

MERCHANTS will be supplied with seeds for retailing, at very low prices. 'The usual number of Agent will receive assortments on commission as heretofore, during the winter.

13 CATALOGUES will be printed hereafter.

Parhester, December, 1841.

M. B. BATEHAM.



M. B. BATEHAM, F. CROSMAN.

VOL. 2. Proprieturs.

\ JOHN J. THOMAS, \ M. B. BATEHAM, Editors. ROCHESTER. JANUARY, 1811. NO. 1.

PUBLISHED MONTHLY.

TERMS.

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"A Happy New Year,"

To you all, readers! We intended writing a most exquisite and extraordinary "New Year's Address," to fill up this page of our paper; and in order that our fertile brain might produce something that would immortalize our names, we kept the matter concecting till the very day of publication, when, lo! on asking the printer how much space had been reserved for our Address, he told us only twelve lines! So, gentle readers, forgive the disappointment we have occasioned, and we will, with all sincerity, wish you a very "happy new year," and do all in our power to increase your happiness, so long as we may be permitted to make our monthly visits.

A New Year's Gift.

We print several thousand extra copies of th's number of the Farmer, and send them as a New Year's present to our numerous unknown friends abroad .-We hope they will duly appreciate our kindness; and if they will "please read and circulate," so as to obtain a few subscribers thereby, we shall feel most abundantly ewarded and truly gra etu!.

Our Prospects.

We last month bade farewell to our subscribers for 1849, but felt strong assurance that we should soon renew our acquaintance. We are happy to say that appearances now indicate that our highest expectations will be more than realised. The names of our old friends, together with very many new ones, are now coming in with great inpidity. The success of the paper the past year, and the promptuess with which the subscriptions are renewed, afford the strongest possible evidence that our labors are approved by the public, and encourage us to persevere with renewed energy.

Our most sincere thanks are due to the many Post masters and other friends of agriculture, who have kindly assisted us. We hope they may have the hapby consciousness of benefitting others Leades our-

Uncurrent Money.

Bills on solvent Banks in this, and the Eastern States, are ut par with us Canada, Pennsylvania, and New Jersey, are about 5 per cent discount .-Ohio, Indiana, Kentucky, and most Southern, money, is about 8 per cent.; and Michigan and Illinois is 10 to 12 per cent.

We hop; our friends at a distance will take pains to send us the best money they can obtain. We do not refuse any of the above, when sent us free of postage, and nothing deducted for commission; but the amount paid by us for discount during the year, is a serious item

Subscribers in Canada,

Should remember that their Postmasters cannot frank letters further than the lines; so that we are compelled to pay postage on all letters coming by mail from there. This we do not mind, if bills not under \$1 are remitted; but on small bills, the postage and discount together, are ton great a sacrifice.

Subscribers residing near the places mentioned be low, may pay their subscriptions to the persons named. Kingston-John Cheighton, (Chron, & Gaz. Office,) and CHARLES HEATH.

Port Hope-D. Smart, Post Master and President Agricultural Society.

Toronto - Lesslie & Brothers, James F. West LAND, and GEORGE LESLIE.

Hamilton-Samuel Kerr, Merchant, London-John Norval, (at News-Room.)

In addition to the above, Postmasters and friends of the cause generally, are requested to act as agents

EATEHAM & CROSMAN.

To Correspondents .- Several communications are unavoidably deferred. Our friends will greatly oblige us by writing earlier in the month.

IF A certain correspondent is requested not to attempt to honx us by sending articles as original which were published under the editorial head of the old Genesee Farmer: nor parts of such articles slightly

Circulate the Petitions!!

Let the farmers, and friends of Agriculture in the Empire State, exert themselves during the present month, and send to Albany such an expression of their wishes as cannot be disregarded. When the yeomanry of the land speak out on any subject they are not to be trifled with. Let our Legislature remember that. IF See page 9.

For the New Genesce Farmer.

" Election is Over."

The strife of the contending parties has ceased .-And now, that the important question of "wbo shall be our servants?" is settled, it becomes an interestng consideration, "what shall those servants do on our behalf ?"

We have heard much during the past year of the distress occasioned by "tinkering with the currency," of the disastrous results attending "odious monopolies," and "Bank aristocrats." The poor people have been greatly pitied by either party, and much has been said by way of condulence; much by way of promise There is reason enough for all this no doubt; we have felt enough, and heard enough, and read enough to satisfy us that our sufferings is intolcrable.

But now, brother farmers, for fear that all these fine professions may not be quite kept in remembrance let us, in the most respectful manner possible, remind our friends at Albany, that our wants are not yet relieved; and that while we are very glad to see all other necessary objects attended to, we also believe an enlightened policy would require that much more attention should be given to the encouragement of agricul ture, than has been for some years past.

Nothing is wanting to secure this desirable result but a general alacrity among farmers in circulating petitions, which it is important to remember should be mansmitted to the Legislature at as early a day as pos-ONE OF THE PEOPLE.

Clover in Orchards -- Inquiry.

MESSES. Entrons-The opinion is quite prevalent among farmers, that Clover is injurious to orchards. but I cannot understand why it is so. If any of your correspondents can throw any light on the subject, it would gratify a subscriber.

Note.-The inquiry of South West should have been inserted some time since, but was accidently mislaid. - Ens.

Meshannocks vs. Rohans.

Musses. Luttors-1 have raised, the past season, thirty-six bushels of Mechannock potatoes from eleven square rods of ground. It any of your readers have done better, with Robans, or any other kind, I should like to know it; and if I am beaten, I will try again Yours, &c., next year.

The Annual Meeting

of the Genesce Agricultural Society, occurs on Tues day, the 2d day of February next. Business of great importance will then be transacted, and it is very desirable that there should be a full attendance. Tho Meeting will be held at the Arcade House, at 11 o'-H. M. WARD, Sec'y. clock, A. M.

Effects of the Stock on Grafted Fruit.

A late number of the Yankee Farmer, contains some remarks of the editor, relative to the influence of the stock on grafted fruit, copied from a former volnme, in which he lays down the following propositions:

- I. "Stocks have an effect as to bearing years.
- 2. Stocks affect the scion in hastening or retarding the ripening of fruit.
 - 3. Stocks produce defects on grafted fruit.
 - 4. Stocks affect the color of fruit.
 - 5. Stocks affect the quality of fruit.
- 6. Stocks have an influence in increasing or decreas-Ing the size of fruit."

This subject is not new to horticulturists. An elaborste article by Dr. Mease of Philadelphia, affirming such influence was reviewed by us several years ago, in the 3d volume of the Genesce Farmer; but we did not think at the time, that the evidence was conclusive: and we have seen nothing since, to induce us to change that opinion. Still, we are willing to examine the subject enew with fairness and candor.

We should have been gratified if the editor had given in detail, the facts on which he founds those opinions; but as he has only done so in part, we would respectfully suggest that if these propositions are true, it would not be difficult to prove them by experiments faithfully recorded, from the commencement to the termination, and before witnesses of unexcentionable character. Statements of this kind would have a weight that solitary or imperfect recollections can never produce; and more especially where the observations are hastily taken, without a thorough examination of all the circumstances connected with the subject.

But we cannot properly omit on this occasion, the statement made by Professor Lindley, that "no such influence can be exercised." He adds: "Those who fency that the Quince, for instance, communicates some of its austerity to the Pear, can scarcely have considered the question physiologically, or they would have seen that the whole of the food communicated from the alburnum of the Quinca to that of the Pear is in nearly the same state as when it entered the roots of the former. Whatever eleberation it undergoes. must necessarily take place in the foliage of the Pear; where, fer from the influence of the Quince, secretions natural to the variety, go on with no more interruption than if the Quines formed no part of the system of the individual."

This decision is emphatic; and so far as we can perceive, the reasoning is as clear and conflusive as can be expected from theoretical considerations alone. If there are facts however, that come in conflict, their weight must be allowed, and the theory should then be revised and amended.

Bearing in alternate years is a habit chiefly observable among apple trees; for when the pear, the peach, the plum, and the quince fail to be regular bearers in this quarter, the deficiency is to be ascribed to unfavorable seasons, or the depredations of insects. The case is otherwise however, with some varities of the apple; and we have supposed the habit was owing to the trees becoming through exhaustion, unable to produce blossom buds for the next season. In this indeed, we may be mistaken; but of two things we are confident; moderate bearers are commonly annual bearers; and those that we find unproductive, have generally borne profusely in the preceding season. As examples, we would name Vedder's pippins, and the Sweet Bough, or Harvest apple. The former is an alternate bearer; but the latter bears every year; and as we have half a dozen trees set on as many different scedlings, ameng which we have observed no varia tion in point of regularity, earliness or productiveness

we feel at liberty to infer that these stocks have had no influence on the grafts.

But alternate bearers conform to circumstances in commencing their biennial course. We had six trees of a russet apple, all of the same variety, half of which bore abundantly at one time, and the other half in the following year. Now if alternate bearing is caused by execss in one season, and we prevent that excess by destroying a portion of the blossoms, we shall certainly prevent alternate bearing. How then can a stock subject to such conformity, induce a graft to alter its time of bearing? It appears to us, it cannot be.

There are some things in regard to the ripening of the same variety on different stacks however, that we are not prepared to explain. For instance, we have three trees of the Transparent Guigne cherry, one of which ripens a week or ten days before the others. The late trees stand near together-the other at the distance of sixty feet. The subsoil in that part of the fruit garden is very variable—small beds of sand in some places, and clay and stones in others; but we know not what the subsoil is under these trees. Neither do we know whether the stocks are all suckers of the Morello," or a part of Kentish" cherry. We may ascertain this next season. In the mean time we are quite as much disposed to ascribe the difference in the time of ripening, to the subsoil, as we are to the stocks.

It is well known however, that stocks have an inflaence on the ripening of wood, and tender sorte become hardier when grafted on hardy stocks-not because the latter exerts any specific influence on the former, but because the usual supplies of sap are withheld carlier in the season, and the wood has more time to mature. The same effect is produced when tender shrubs are planted in dry, sterile, rocky situations.

In examining appearances out of the usual order of things, great care is necessary to prevent us from drawing wrong inferences. When different trees derived from the same parent-variety, differ in their fruit, perhaps the first idea that occurs is a difference between the stocks, and the matter is settled toe often we anprehend, without further examination. But let us not deceive ourselves. If the stock affects grafted fruit. its action must be regular, every year slike; for having neither leaves nor branches, it is less subject to vicissitude than any other part of the tree; and therefore no variation in the flavor, shape, or color of the fruit, can be justly ascribed to the stock, except it be regular and every year alike. If it is not so, we must wearch for some other cause; and even if it is so, there may be another cause. Several years ago, we had the Washington plum of a light but splendid red. The tree however, never produced fruit of that color either before or since. The cause therefore could not be in

Again-we have three trees of the September pear (Summer Bon Cretien?) growing on pear stocks; and several branches of this fine veriety on a Spitzenburgh apple tree. About nine years ago, the latter bere pears that were redder, and source, and more astringent, than the fruit from the other trees; and we fancied that the Spitzenburgh had imported some of its qualities. The cause appeared very plain. Could it be in any thing but the stock? Yes-they never bore such fruit before or since; and the pears are as yellow, end as sweet, and as pleasant, as any that are produced by the other trees. The stock therefore could have had no agency in the matter.

We have two trees of the Summer Bell pear. For several years past, one has borne large fair fruit, chang-

*These two sorts as stocks, are well adapted to test this

ing from green to yellow as it ripens, -while the oth tree has produced reddish pears, but so knotty, astri gent, and unpaletable, that we have consigned them the hogs; and year after year there was no improvemen Well, what stronger proof can be wanted that t stock affected the graft?-Not too fast. That tree h began to bear better fruit; and we have no doubt its final recovery though the disease we can neith name nor describe.

The large White Current is a delicious fruit: or we have had some dozen or fifteen bushels planted a row, all from the same parent-variety, but about or helf of them bear fruit very superior to the othersmuch sweeter and more juicy or melting; and ever visitor who has tested them, concurs in this oninio And they are regularly so, every year alike. Wel is not this a clear proof of the effects of the stock of the graft?-No-they have no stocks-they stand of their own roots.

Culture of the Peach Tree.

It has been mentioned by writers on the culture of th peach tree, that hot water poured round the trunk a the surface of the ground, will destroy the worm. W have not yet tried it, but we intend to do so; and in th mean time we would suggest to our readers, that i may be done at any time during the winter or sprin when there is no snow and the soil is unfrozen. think the work would be more thoroughly done how ever, if the gum be first removed, so that the hot wa ter may enter the habitation of this insect.

Soot has been found excellent for this tree. In on case that has come to our knowledge, its pale leave were changed into a dark green by this application round its roots; and though the effect may in part have been caused by the destruction of the worm, it has doubtless, acted also as a manure. Those who have stove pipes to clean and peach trees to cultivate, should save the soot for this purpose.

One of the most deplorable conditions that a peacl tree can be placed in, is to stand in a meadow or grass ground which is annually mowed. Sometimes we see them in door-yards where the grass grows strong, bu where neither pigs, nor sheep nor estile, are allowed to enter. A half starved tree however, is no ornament ir front of a house; but we will not find fault without proposing a remedy. Cultivate a circle round each tree, of two or three feet in diameter; and hoe in manure from the stable, the hog pen, the hen roost, the leach mb, or the wood pile, not forgetting the stove pipe, and the tree will soon compensate for the labor by its beauty and productiveness.

A Tariff for Revenue made to subserve Protection. The importance of encouraging the Culture and Manufacture of Silk.

Messas. Editors.-The assertion that Domestic Cottons have been cheapened instead of becoming dearer under a protective tariff, is proved by the present extreme low prices of the article. It is not my purpose, however, to advocate the same measure of high tariff for the protection of every other branch of American industry. The falling off of the revenue on imported cottons, as home production supplied their place, must now be made up by increased imports on other articles of foreign growth or production. Instead then of laying a duty on ten and coffee, as is suggested by the Editor of the N. Y. American, why not collect a revenue from such articles as can be produced in the United States? Tea and coffee, although luxuries, are the luxuries of the most precious of all classes in the United States-the independent, well paid, laboring classes. Besides this, tea is not now, as formerly, paid for exclusively in the precious metals; but in the way of trade, either indirectly through England, or directly with China. Neither

en or coffee indirenous of the United States: and latter article is always received in payment or exunge for articles of the growth and manufacture of United States, to which is often added the comercial advantage on our part, of two freights and o profits. Such as these, are essentially the articles

Without enumerating the articles on which an ineased duty for revenue, might be levied to an exat sufficient to answer both purposes. namely, reree and protection, I will now only advert to the artiof Silk, both raw and manufactured; the more esially as the production of the raw material is introcing a new staple to the South, where the strongest position to the protective system is found; and here the over production of cotton at this time has luced ruinous low prices and extreme pecuniary barrassment.

Almost coeval with our Constitution a bounty on dfish has been paid by the government, to encourage e raising of wealth from the ocean. I do not say at the like stimulant should be given to encourage cultivation of the waste places of the land .- The hausted and abandoned tobacco lands of Virginia, d the extensive tracts covered with the large leaved ne in the Carolinas. - But these lands are well adop-I to the culture and growth of all the varieties of the k mulberry, from the succulent, broad leaved, morus ulticaulis, to the more bardy alpine variety.

If imported silks, instead of being admitted into e United States as they now are, free from duty, ould be subjected to a permanent impost, sufficient encourage the silk culture and manufacture at home: d by the duties collected on those necessarily imrted, until the domestic article supplies their place, to can calculate the advantages which will accrue to e social independence of the people by such a con-

To him who lives in a manufacturing village, beaga the faculty to see and feel the extended influice of its trade; the fruits of its industry, and the ricty and extent of its consumption of the products rural labor.

One of the peculiarities (call it not an evil) growing it of the equality of our institutions, is that extraigance in dress which pervades the poorer classes in e United States. If this is an evil, it is indigenous our moral and social atmosphere, and not to be adicated. It is one of those passions of the soul, ithout which industry, in the great mass, would be prived of more than half its stimulous and aliment. et our government then, by a wise and fostering poly, enable the people to produce that which they must ave, but cannot pay for if purchased abroad.

S. W.

Dutch Dairies.

The Journal of the English Agricultural Society, ontains a long and interesting account of the Holstein lairy system-of those splendid manufactories of the best butter in the world." Its length precludes ae publication of the article in full, but a few promient features may not be useless nor uninteresting to neny of us, who, comparatively speaking, make buter without any order or rule. The Dutch carry on be business on a large scale, the larger dairies varyng from 100 to 400 cows, and the churning is done by orse-power.

Good butter makers often differ in their modes of peration, but in one thing they slways agree, and always will; that is, cleanliness and purity. Dutch understand this, and attend to it most rigidly n the construction and management of their buildngs. These are, a milk cellar, a butter cellar, a churning house, s cheese room, and a kitchen for washing all vessels, and cooking for those engaged in

the dairy work. The milk cellar is made to front the north, and is shaded by trees from the sun; and in choosing the site of the dairy, particular care is taken to place it beyond the reach of every thing calculated to generate bad odors, or in any way to taint the atmosphere. The floor is sometimes flagged, but is generally of brick, neatly fitted, so that no water may lodge in the joints, and slightly inclined, to facilitate mopping, "which is never omitted to be done twice a day, notwithstanding that every avoidable impurity is carefully guarded against, and every drop which may fall at the time of the milk being strained, is instantly wiped up." A great improvement has been lately made, by dividing the floor into compartments or squares by brick ledges 3 or 4 inches high. In these, the milk dishes stand, and they are filled twice a day with cold water, by means of a pump, a small sluice being at the lower extremity of each, for the escape of the water. This is of great value, preserving the milk much cooler in summer, and more completely effecting the separation of the cream. would suggest the use of water-lime mortar in the construction of these squares, as being cheaper and

The milk cellar is sunk 3 or 4 fect in the ground, and is 16 or 18 feet high, the best baving an arched roof of masonry, as being more conducive to coolness, and are furnished with two rows of windows on the north, east, and west side, to admit circulation of air. The lower row are lattice, with blinds, and gauze frames, to exclude insects; the upper glass, which can be exchanged for gauze when needed.

The building for the cheese room is entirely separated from the milk, butter, and churning cellars, and is placed as far as practicable from them, a tainted nir affecting the quality of milk and butter, to a degree, which is, in general, little supected.

The persons required to manage a large dairy, are, an overseer, a cooper, one or two cow herds, one or two swine herds, a head dairy woman, and dairy maids in the proportion of one to eighteen cows .-The overseer has the general charge of the cattle, of the swine, and calves, and sees that they are properly cared for, the cows milked clean, that every thing is in its place, and that every man does his duty. The head dairy woman must understand thoroughly the whole management of the dairy house; -she must observe accurately when the milk is to be skimmed; the degree of acidity it must attain before churning; the temperature during churning; and must attend to the operations of working, salting, and packing the butter. She must be punctitiously clean herself, and keep every one else so. In large establishments, she has full employment, and needs the assistance of one or two of the more experienced dairy maids. The dairy maids, besides milking their 18 cows, washing vessels, &c., work in the garden in summer, spin in winter, wash, bake, and cook. They rise at 3, and sometimes at 2, in summer, but are in this case allowed two hours sleep at mid-day. Girls in this country, we presume, would hardly be willing to work so

Each dairy maid marks her own particular cows by a colored ribbon tied round their tails. They bring their milk from the field to the cellar, by a wagon, drawn by one horse, baving long bara attached, in which iron books are inserted, and on these the pails, containing 30 or 40 quarts each, are hung so as to swing free of each other. The milk is effectually prevented from spilling, though they get many a rude jolt, by thin circular plates of wood, floating upon the surface.

The perticular process of butter making is too valnable to be abridged, and we quote it entire.

cream must be removed from the milk before any acidity is perceptible, if butter of first rate quality is looked for; and it has been found by experience that a cellar temperature of from 60 ° to 62 ° Farenhest, is the most favorable; a complete disseverment of the cream then taking place in 26 hours: whereas a great degree of warmth, though it quicken the separation, still more hastens the souring process, which operates injuriously not only on the quality but the quantity of butter. In a cold temperature, the separation is effected much more slowly, so that 45 or even 60 hours mmy be required; this, however, is the longest period that may be accorded without incurring the risk of imparting a rank, unpleasant flavor to the butter, which even if not perceptible on its being first churned, manifests itself very shortly afterwards.

"The commencement of acidity in milk, is indicated by a very slight wrinkling of the cream, and a scarcely perceptible acid taste. So soon as these signs appear, the work of skimming must begin, even though the milk have only stood 24 hours; and the cream is poured through a hair sieve (which is kept for this purpose, and must never be used to strain up the new milk with) into large barrels, containing about 240 quarts each (usually sufficient for one churning) in which it remains till the necessary sourness is attained, which in summer follows in 24, in winter seldom under 36 or 48 hours; unless when the small quantity of milk admits of it being partly strained at once into the cream barrel, and the remainder added without skimming from the milk pans when cool. — This method, undoubtedly, gives at all seasons the greatest return of butter; but as is generally believed, not of so rich a quality as that produced from cream alone; and, moreover, in a large dairy, during the time the cows are in full milk, would occasion much additional trouble, an almost ceaseless churning, and a total prevention of cheese making. The cream having attained its requisite acidity, during the advance to which it must be frequently stirred with a small churn staff to prevent it congulating, technically called becoming cheesy, the next object of the dairy woman's skill is, the degree of warmth or coolness which must be imparted to secure good butter. In warm weather the churn is rinsed with the coldest procurable water, in which a piece of pure ice is often thrown, and sometimes, though more rarely, cold spring water is added to the cream about to be churned, which operation is then always performed either very early in the morning or late in the evening. In cold weather, on the contrary, warm wrter is applied, both to rinsing the churn and to the cream itself. The churning being completed, the butter is taken off by means of a large wooden ladle, and carried in a tub directly to the butter cellar, where, in a large trough, hollowed out of the trunk of a beech or oak, very smoothly polished off inside, and provided with a plug hole at the lower extremity, (beneath which a small tub is placed to receive the expressed milk,) the butter is slightly worked, and salted with the purest salt, then moulded with a wooden ladle into a mass at the upper end of the trough, and left for some hours to soak and drain. In the evening it is thoroughly kneaded and beat, or rather slapped, the dairy maid repeatedly lifting a piece of 3 to 4 pounds, and slapping it with force against the trough, so us to beat out all the milky particles; and thus, lump after lump being freed from extraneous matter, the whole mass is spread out, receives its full proportion of salt in all about 1 koz. per pound,) which is worked with the utmost care equally through it, and again moulded in-to one compact mass. The butter in Holstein is sel-dom if ever washed, as water is believed not only to rob it of its richness and flavor, but as being itself susceptible of putrefaction, to be equally inimical as milk, to its preservation. When a sufficient quantity is ready to fill a cask, the several churnings are once more kneaded through, a very little fresh salt added and packed into the barrel, which is made of red beech wood, water tight, and previously esrefully washed and rubbed inside with salt. Much attention is paid that no interstice shall remain either between the layers of butter or the sides of the cask. A cask is never begun to be filled until it can be completed, as thus alone the butter can be exactly of the asme flavor and color, which is probable one reason why small dairies, under whatever management, never produce such good butter as large ones, as the small churnings must remain long exposed to the air, until the requisite quantity is in readiness.

The qualities of first rate butter are considered to be. 1st. a fine, even yellow color, neither pale nor orange tinted; 2d, a close, waxy texture, in which extremely minute and perfectly transparent heads of "It has already been stated as a rule, that the brine are perceptible; but if these drops be either large or as the slightest degree tipped with milk colors at indientes en impercet working of the butter: whole an entitely day, tallowy appearance, is equally disapproved; 3d, a fresh fragrant perame, and a sweet kernelly taste; 4th; good butter will, above all, be distin pushed by keeping for a considerable time, without acquiring an old or rancid flavor.

Two Good Farmers,-

Not too good farmers - for those that are merely good. are almost as rate as white blackbards. When we say "good," we do not mean what is commonly unders, and, -in lustrious, money-making man,-but who perhaps apply a large portion of their labor to very bad advantage; but those whose whole course, in all its departments, is such as accurate and repeated expenments have proved be-tadapted to the soil and climate; which not only affinds the groatest profit each year, but is constantly improving instead of exhausting the

the Farm Committee of the Handord County Agricultural Society, published in the New England Farmer. The first is that of John B. Davis, of Derby, whose farm consists of seventy-five acres, and from which the following very respectable average annual recepta are derived.

Apples and Cider,	\$500
Hay,	200
Potatoes,	100
Pork,	>()
Saccp,	75
Gain,	7.5
Wool,	9.5

Two men labor on the farm the year through, with occasional additional help, but no precise account of the amount expended, was rendered.

It will be seen that the orchard is the most mofitable, the trees being kept in the finest combinen, to which frement thinge doubtless contributes. Lier hardred dollars were received last year (1539) torwinter apples of the choicest varieties, and tarty dollars for elder sold, besides thirty barrels kept for what purpose ?] and apples fed to hogs, caute, and horse. All the farm, except the woodland, has been subjected to the plough, although hay is the chief object anned at in cultivation. Only small portions of the land are tilled, on which the cultivated grasses have become less leximiant. The routine of crops adopted is, 1st. corn on sward with manure; 2d, potatees with manure (sometimes followed by turnips;) 3d, tye or oats or grass seed. For the corn, (which is Dutton and White Flint,) twenty double loads of manure are spread on the grass before ploughing, and afterwards holes dug at each hall in which a small handful of plaster and ashes is dropped and mixed with the soil at planting. The average crop is seventy bu-hels an acre The potrtoes are planted with equal manuring. and yield two hundred bushels. The rye yields twenty-five, and the oats seventy bushels, two and a half bushels of the latter being sown to the acre, which is plongiced in, harrowed, and the grass seed covered with a bush.

About twenty acres are kept in meadow, which coninue in grass from six to eight years, and the average erop is estimated at two and a half tone to the acre.

Of manure, seventy-five loads are made yearly, and fifty purchased; one ton of plaster, half a ton of shell hare, (which is added, as indispensable, to the compost,) and fifty bushels of ushes are also used.

The stock consists of two yoke of oxen, two milch cows, seven hogs, thirty-five Bakewell sheep, and one

The other farm, is that of Win. K Townsend, of East Haven, on New Haven barbor, and consists of 43 acres of salt grass, and 118 acres of uplant. The

with great satisfaction, and, did our huits admit, we ! should be glad to give it entire. Such a report, mere matters of fact statement as it is, is more calculated to inspore a taste for farming, than all the fine declamation and eloquent reasoning we ever heard or read-As it is, we must content ourselves with a statement of some of the most interesting facts.

The buddings are arranged with a strict regard to convenience, being exceted " after approved mode's, and they show conclusively that much labor may be saved by judicious arrangements, with but trilling additional expense. For each implement of husbandry, a special and convenient place of deposit is also provided " The fences throughout are good. The soil s candy and gravelly loam, naturally light and thin, and left in wretched condition by its former occupant. Successive portions have been reclaimed from this condition, by careful and thorough tillage, collecting the These two specimens are given in the late report of stones into strong and durable fences, and applying a heavy coating of manure. With the exception of two fields, which have not thus been reached in the regular order, the farm has been greatly improved. " After such improvement however," say the committee, "these lands are not, as is to often the case, again reduced to their former condition, or rendered still less productive, by injudicious and excessive croppings. without any return to the soil; but by such subsequent careful treatment, as every good farmer ought to give his land, they me kept constantly improving."

The corn crop, by measurement, has averaged seventy beshels the acre; potators, two hundred and fifty bushels: rye, twenty-five bushels; outs, (rarely raised.) forty-five bushels; and barley, thaty-two bushels. Great crops of pumpkins are also obtained, by planting in large manured hills ten reetapart each way, six or eight seeds, the two most vigourous shoots being allowed to re main.

Three hand ed double loads of mainire are manually made on the farm, of which more than fifty are from the hog-pen. It is always applied antermented, except to meadows and root crops, where compost is used, Three-fourths of a ton of plaster are yearly spread upon the preadows and pastures, rad fitty bushels of shel. have applied to the compost heap.

Great profit has been derived from the breeding of improved stock, consisting of Durham cattle, "Than Rind" hogs, and Bakewell sheep. The use of the revolving horse-take in securing bay, of the cutting box for feeding stock, and of stables for cattle in winter, has effected a great saving.

Accurate and regular accounts of all operations are constantly kept, from which the following statement is taken of cash received the past year, over and above the consumption of a large family:-

Finit, \$ 200
Vi getable 3,
Neatsteck, 1,310
Hogs and pigs, 555
Wool, 50
Milk, butter, and calves, 2,113
Rent of stock,
Gross income in 18.9, 1,388
Deduct cash paid for labor and feed
of cows,
Nett income in 1839

The great profit thus secured, appears to have resulted from the establishment of a well digested sysstem of farming, faithfully and energetically carried out, and from the guiding of all the operations by constant and accurate accounts.

Improving Sandy Land.

Messas. Epirons-I find that your paper affords a report A this farm, by the committee, we have read | valuable medium, through which we, who are young

or in specienced, can obtain information. fore wish to ask one or two questions.

My farm is situated on the oak openings of Monr county. The sorl is what may be called a light, san loam-some parts nearly pure sand. One side be ders on a flat marsh, part of which, to a consideral depth, consists of very black earth, which I suppo to be vegetable mould, formed probably by the dec of leaves and wild grass, which latter grows ve abundant all over the marsh.

Now, I wish to inquire whether this black ear will ninke a dressing for the upland, of sufficie value to defray the expense of carting it on; and if a how and when is it best to apply it?

I also want to ask what kind of a fence can best made across the above mentioned marsh, where ten timber is very scarce, and money ditto.

A YOUNG FARMER.

December, 1840.

Hoven Cattle.

Messes. Entrons-The cure for this complain which you copied from the Farmers' Cabinet, wi in slight cases, prove effectual; but in severe case resort must be had to other methods,

The contrivance of Dr. Morris, of England, fit published in 1793, is the most effectual, and may n be known to all of your readers. It consists of a fle ible tube, made of wire, covered with soft leather,-Dr. M. found that the distance from the fore teeth the first stomach of a large ox is six feet; therefor the tube should be a little more than that length. (this being thrust down the animal's throat, so as to e ter the first stomach, a large quantity of feated air. gas, will be discharged, and instant relief afforded.

If this instrument is not at hand, recourse must l had to topping. Take a sharp pen-knife and intr duce it into the paunch, between the hock bone at the last rib on the left side. To assist the escare the gas, a qualt, or small tube, may be introduced in the orifice. As soon as it ceases to escape, a pite plaster should be applied upon the place; and, if all done with care, but little injury will result from the operation.

The following cordial may afterwards be given wi advantage: - Take 2 ounces of Anise seed, Dispent and Elecampane, in powder; 2 ounces tracture Rhubmb, and one ounce of spirits of nitre. Mix at give in a quart of warm gruel. Respectfully youre,

AN ENGLISH EMIGRANT.

Near Albion, Orleans co.

For the New Genesee Furmer.

Curing Hams.

What! mother method? Yes, we answer, an request the incredulous to try it before they condema On the day, or day before, killing your hogs, seal your tub, (a pine tub is preferable,) and turn it over smothered fire of corn cobs or maple chips. If the process is skilfully done, it will thoroughly infuse th smake into the wood. Let the tub be wet or mois when smoking.

When your hams are perfectly cold, sprinkle th bottom of the tub with salt, and pack in the usut manner, with little or no sult. Pour upon the ham a pickle (perfectly cold) sufficient to cover them. To six gallens of water add six pounds salt and one fourtl pound salt petre. This completes the whole process of curing; and your hams for winter and spring use are much better than when cured and smoked in the old way. The process of keeping hams in a tight and over heated smoke house, is the great cause of their premature decay.

If the hams are to be kept during the next sum ner, the brine must be changed and more salt added. H. Furthe New Genesce Farmer.

To the Farmers of Niagura County. Purely from the desire that agricultural knowldge y be disseminated, and our busbandmen thereby ndered more prosperous, intelligent, and respectable. I address you a few thoughts, through the columns this paper. I am well aware, however, that I am no means the proper man to perform this task sucfully; for I acknowledge myself but a child in pracal agriculture; a farmer of only eight years experie, while many of you have devoted a whole life is far to the pursuit of linsbandry. I know my igrance. I am deeply sensible of my destitution of agultural science, and, indeed. I am no less deeply nened of it. Nevertheless, I have felt towards this partment of business an ardent attachment, as also vards the farming community, for these many years. id if there is about me anything of the nature of de, it is not of the manner in which I pursue it, but the calling in which I am engaged.

There is to me a substantial pleasure in agriculal pursud a satisfaction, peace of mind, a tendento contenument, free-lom from vexacions, and an inence, which leads a man into close intercourse with Maker, which is no where else to be found in any thly avocation. It is a calling, the calleb ened and ntific pursuit of which gives more substantial inendence, more dignity, more stability of character, I generally a greater competence than any other. sa fact, not to be controverted, that agriculture, in broad sense in which I would use the term, is the ndation and support of all others. Would a statue on the removal of the pedestal? So surely would omerce, mechanics and manufactures, were they hout the support of agriculture. She is the only duce of material wealth, and therefore every other le and profession is, either directly or indirectly. endent upon her, and they can advance but a step bent her.

But it will readily be conceded, that the peculiar antages and qualities which are set before the far--, and which for the most part are attainable by , are possessed only by a comparatively few. And y? Is it not for the want of agricultural science intelligence! If this he the fact, ought we not to se use of all the means within our reach to re-

re it?

And how can this be done more surely, more officely, or more cheaply, than by the general circulaof agricultural papers? There can be no questhat very great advantages are derivable from this rse. Some of you, I know, will accede to this ement: for, not long ago, a respectable and an obring farmer, whose residence is not five miles from own, said to me, that merely in passing through country he could tell whether a farmer was in the it of reading agricultural journals, by the general earance of his farm, fences, buildings, stocks. &c. lagain. I beard a farmer say, not long since, d a thorough going, business man he was too,) that wished there was not an agricultural paper to be , for by their influence the crops were so superadant as to rain the market. And besides; it was estimate of the late Judge Buel, that every addial subscriber to such journals, increased the annual duet of the soil at least ten dollars. So that five idred thousand new patrons (only the farmers of w York and Ohio) would add five millions of dolto our agricultural productions.

On the same calculation, suppose the twenty-five icultural paper, were all to become subscribers, at

the amount of happeness, and a ctal entertainment. Genesee County Agricultural Society's Exhiwould be ten fold greater than that,

A paper, like the New Genesee Parmer, at fifty conts a year, (less than one continer week) is to low that none can find an excuse for not taking it. We do not consider our true interests, when we neelect to take so valuable works at so small an expense; at least. from my own experience I do not so judge. I refer particularly to the New General Farmer, in preference to other papers of the kind, for the reasons that t is, in my estimation, an ally conducted journal; that it is offered at so very low a price; that it is published in our own neighborhood; it is acquainted with our own soil and comate, and it is better adapted to the agriculture of Western New York than any other .--And if we who are in the habit of reading such journals, would induce one half of our brethren of the blough to become sul scribers, I have no hesitation in the opinion, that more than twenty times the cost of the paper would be their advantage. SHAL WE Yours respectfully, Thorn Hill, Dec. 1-10. W. PARSONS

Hints about Common Schools.

Pursuant to our promise for devoting a portion of our paper, regularly, to the promotion of Energymon, we now insert some paragrap's from a friend in reference to Common Schools. Elsewhere, in our colnums, there will be found some articles of a general character respecting the advantages of education.

TEVENTES OF SCHOOLS.

Much as we hear of the difficulty of procuring good school teachers, we believe that an ample sufficiency of well-qualified Instructors may be had at all times. -IF if proper one unugernant be offered to those who labor Lithfully in our schools.

13 Offer rain wages, and treat with proper REspect the person whom you engage to discipline the "immental minds" of the rising generation around you. Such a course would command for our schools much of the talent usually devoted to other pursuitspursuits which generally at present offer pleasanter and more profitable inducements for the exertion of such talents and qualifications as are necessary to constitute a good tracher. "Supply" would readily follow the "demand" in this, as in the legal and medical professions, and in other pursuits, IF THE INDUCE-MENTS WERE-as they ought to be-RENDERED EQUAL.

ARE TOU A PARENT ?

If you are, the love which you bear your children should stimulate you to cast a friendly eye towards the school house wherein the children of your neighbors are instructed along with your own. Your presence occasionally in the school-room, with a few remarks from you, showing your respect for the teacher and your solicitude for the welfare of the scholars, would promote the progress of the school far more than the money which you pay in taxes for its support.

DUTIES OF TRUSFERS, ETC.

Were our Common Schools regularly visited by even one in a hundred of the persons who profess the most zealous regard for the rights and welfare of the people, a spirit of emulation would be incited that would soon benefit teachers and scholars in a manner that would shed incalculable blessings on the population of the State.

Even of the Trustees of Schools-the men elected specially to promote the welfare of the system of Pubthe Instruction-there are thousands in the State who scarcely ent withe school-house for any purpose duradred farmers in our county, who are without an ing the year! How can any honest man satisfy his commencement of the new year, a net profit dates devoted upon him as a Tracket fer promoting labeled to their annual income of more than the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and morelly among the results and the spread of knowledge and more the spread of knowledge and more the spread of knowledge and more than the spread of knowledge and more the spread of knowledge and more than the spread of knowledge and the conscience for such eriminal disregard of the solema

bition and Fair.

BILD AT ALEXANDER, P.C. 14, 1840.

The Past Annual Exhibition and Fair of the Society was very minimenon by attended and the competition sirited, e assdering the time it had becam ope The Society was not known until after the middle of July, and it had become so late in the scason that there could be but little competition except in animals, and them there was a fair show.

The premium for the best short-horned fourham bull was awarded to Mr. B. Murphey, of Le Roy; and ha well deserved it, for it is a very fine annual.

The premium for the be t Devenshire bull was awarded to Mr. Vernon of Le Roy. On his imported SmB

The best Durham bull calf was adjudged to L. E. Heston of Batavia. The calf was from the herd of P. A. Remsen, Esq., of Alexander.

Mr. Heston also drew the premium on the best orling steers. Mr. Beck, of Shelden, who exhibited a fine herd of

Devonshire, drew premiums for best bull call, bert yearling buil, best cow, and best three year old steers, all Devonshate. Mr. B. sold several of his animals on the ground at very for prices.

P. A. Remsen, L-q., drew the premium on the best hort-horned Darbam cow,

To Mr. S. Allen was awarded the premining for the best ectamonic ova-

Mr. A. Toney of Alexander, received the premium for the best yoke of oven; and Mr. C. Dickison the second best.

Mr. Manual Heston of Batavia, received the preminim for the best four year old steers, and the second best ventling steers.

There being but little connetition in horses, Mr J. Hammond received the premium for the less breeding mare, and Mr. Waid of Le Roy, the premium for the best span of working majes.

There was a very fair exhibition of Swine. Mr. J. S. Harrison of Darien, received the premium for best bear and sow and pigs; all Berkshire. Mr. O. T. Farge the plantian for second best bear; Essex half

In Sheep there was a fine competition. Peat back, for wool, was awarded to Mr. L. E. Hesten, of Patevin, and tast back, for batcher, to Mr. J. Heston, of the same place, for South Downbuck. Gen. Stanton of Middlebury, had the premium for the lest pen for three or more cwes.

In Field Products there was but little competition. The best sere of Winter wheat was awarded to Mr. Lewis Clark of Darien; product 60 buchels 10 lbs. Best acre of Spring wheat to Mr. II. Brainard of Alexender; product 36 bushels I qt. Also the best acre of corn; product 82 bushels 5 qts. Best acre of potatoes to Mr. A. R. Taylor; product 400 bushels.

In the Domestie And, there was of necessity but little competition; the most in silk, however, were some time specimens shown of silk in various stages of manuacture, from the Cocoon to very fine recled.

The premium for best 10 pounds of Cocoons wes awarded to Col. S. Duchain of Batavin. Best specimen of reeled silk to Mr. Hart of Le Roy.

Mr. L. F. Hesion received the premium for the best icee of depostic flannel. Mrs. J. Heston of Untavia, received the premium for the best 25 lbs. of better .--Mrs. E. Bishop of Attica, the premium for the best

Discretionary premiums were awarded to Mrs. E. Bishop of Action, for specimens of linen in thread, stockings and on hins, and they were very fine indeed. M.s. Herrick of Bethany, for specimens of

deed. Also, recurse of beautiny, for spectimers or silk tow stockings. Also to Mr. Charchill and Mr. Damenn for specticens of fulled cloth. Mr. L. E. Hesten, Mr. J. Hesten, Mr. Vennon, Mr. Beck, Mr. Reutenn, Mr. Brimard, Mr. Clark and Mr. Bishop, donated their premiums to the Society.

In address was delivered by the President, and the following persons elected officers for the ensuing

THEODORD C. PITERS, Esq., of Darien, President. Thumber C. Il Thee, 1894, or Barron, recent of Gen. P. Stonton, Medidobury, E. Bishop, Artica, E. J. Petidore et Eldo, Trainan Lewis of Grangeville, Philad M. Ward, Perry, Holland Karle, Proceedings, National Society, Physical St. Werner, Phys. Rev. W. Daniel de W. Daniel de M. Pariel de M. Le Roy, Vice Presidents.

C. P. Turner of Entavia, Secretary. Thomas Bid-

My Summer Crops.

Messas. Editors-According to my promise, I now send you an account of some of my crops of the past season. My object in thus exhibiting my farming operations to the public, is not that I think them extraordinary, but that I consider it the duty of each member of society to do that, as an example, which he would have others alse do. Knowledge, by communication, becomes common property. The plan of comparing thoughts and notes, leads to correction of errors and adoption of truth; and also enables us, by taking advantage of the experience of others, to avoid many things which it would otherwise require our own experience to convince us as being fallacious; by which we also avoid not only loss from milure, but also that vexation of mind, which is the attendant of loss. And for this reason, we should tell "the truth, the whole truth, and nothing but the truth." All important truths, whether of failure or of success, in the operations of the farm, should be given to the public, that they may become known to all.

ROHAN POTATOES.

These I planted on the 2d of May, on a clover sod, without manure. The amount of seed was about three quarta short of three bushels of whole potatoes, cut into pieces of one or two eyes, and spread over three-fourths of an acre of land. The rows were four feet apart, and the cuttings were placed sixteen inches distance in the rows. The manner of planting, was to make the holes from two to three inches deep with the corner of a hoe, which can be done about as fast as a man can walk, with one stroke of the boe; a child to follow and drop the cuttings, one in a place; and a boy to cover up, level, with loose earth. I planted thus shallow, in consequence of having about lost a crop of petatoes last year, on rich land, by having planted deep, as I had been advised by a brother farmer. When the potatoes were about six inches high, they were wed with cultivator and hoe; then plastered, and on the 18th of June they were capaciously hilled, as the distance between the rows allowed. No mere labor was bestowed upon them till they were dug in the last of October, when they yielded me two hundred and twenty-eight bushels; equal to an increase of seventyeight fold.

I have used these potatoes in my family, and pronounce them equal to the best for the table: they are dry, mealy, and well flavored.

With regard to the value of these potatoes, they are superior to other varieties, innsmuch as far less seed is required; there are fewer small potatoes; they can be planted with about half the labor; owing to their size and to their growing in a cluster close to the foot of the stalk, they can be dug with much less labor; and in no respect do they yield to any others in point of intrinsic excellence.

INDIAN CORN.

I had two pieces of corn:-the first, two acres and seven-eighths, was clover sod, on which I drew eighty loads of long manure, and ploughed under. The seed, the red blaze variety, after soaking twentyfour hours in acap suda, and being rolled in plaster. was put into the ground on the 20th of May. The rows were three and a half feet apart each way. During the season, plastered once, and went through with the cultivator twice each way, followed each time with the hoe. About the middle of September. cut up the corn at the roots, carted it off the field, and stocked it for ripening, and at the husking got four hundred and sixteen bushels of ears, which yielded on shelling, thirty-five quarts of corn from two bushels of ears; making two hundred and twenty-seven and a half bushels of corn; equal to seventy-nine bushels and aix quarts per acre. The other piece, two and a quarter acres, was of the same character, equal-

ly good, clover sod, as the other, but was not manured. It was ploughed and planted six days later; the seed was of the same kind, prepared in the same way; but owing to the ground having become quite dry, at least one-third of the seed tailed, which would not have been the case had it not been sonked. The after culture was the same as that of the first field, and the yield was forty-seven bushels per acre.

FIELD PEAS.

The latter part of April, I put in two and a half acres of Gold Vine Peas, (having obtained the seed at Mr. Batcham's Seed Store,) from which I harvested sixty-three bushels; equal to twenty-five bushels per nere. The land was neither good nor bad, but indifferent. Adjoining, in the same field, and at the same time, I sowed two neres to Marrowfat Peas, from which I harvested thirty-two bushels, or sixteen to the acre. Many of the vines of the Marrowfats became mildewed, and were consequently barren; whereas the Gold Vines remained perfectly bright through the summer, and every vine was prolific; many bearing from eight to sixteen pods.

Owing to the superior excellence of the Gotd Vine Peas, and their scarcity, I have reserved the crop for seed; which I unbesitatingly recommend, and offer to my bretheren of the plough for six shillings per

SPRING WHEAT.

The Italian and Siberian varieties were very badly chrunk.

HALF BLOOD DURHAM CALF, OSIRIS,

Was dropped April 26th. At three and a half months old he weighed 380 lbs; at five months old he weighed 470 lbs.; and to-day, Nov. 26th, at seven months old, he weighs 650 lbs. And this is a "skim milk calf;" taken from the cow at a week old; fed on new milk two weeks more; from that time till the first of Nov. fed on sour skim milk and hasty-pudding, and from that time to the present, on hoiled potatoes and hay.

Now, Gentlemen, I have done my duty to myself and to my brother farmers; I have told them what I have done, and now I wish they would reciprocate the favor: and if they can tell a greater story than I have, I will attempt another year to be even with Very respectfully yours,

EDWARD WILBUR.

Pittsford, Nov. 26, 1840.

REMARKS .- In behalf of our numerous readers, we tender Mr. Wilbur many thanks for the foregoing communication. One page of such statements, containing the results of actual experience, is worth more. in our estimation, than a whole volume of theorizing speculations. We unite with Mr. W. in the desire that many of our readers will reciprocate the favor, and send us accounts of their farming operations, whether successful or otherwise, during the past season. - Ens.

Riddle's Address.

Editors of New Genesee Farmer:

GENTLEMEN-I have read with much edification, the address delivered before the Philadelphia Agricultural Society, by NICHOLAS BIDDLE, Esq.; and I sincerely believe you would confer a favor on many of your readers by giving it a place in your columns.

Yours sincerely,

A LOCKPORT FRIEND.

Remarks. - The address alluded to, is indeed a most excellent one; and we should be glad to publish it entire, would our space permit, and were it not for the circumstance that many of our readers dislike long articles. As it is, we select the most interesting and important pertions, and omit those of a more local character. We have no doubt that most who read the following, will wish we had published the whole.

After congratulating the society on their exhibiti and what they had accomplished-the aid recei from Government, and the bright prospects bel them; and aliuding to the numerous advantages ; sessed by the farmers of Pennsylvania, the cloqu speaker proceeds thus:-

" Having thus spoken of the advantages which enjoy, I proceed to the less agreeable but more prof ble inquiry, why our farms are not so productive they ought to be-and I make the comparison tween Pennsylvania and England, because I th England, on the whole, the best farming country Europe; and our English friends must understa that while we amuse ourselves occasionally with se of their peculiarities, we pay them the highest co pliment we can, by proposing them as the cons models of our farming. Now why is it, that with the natural advantages in our favor, the English fa ers beat us? I will tell you what I think of it.

"In the first place, we do not do justice to own profession. Farming is not liked, either am the young people, because it is considered a lor exercise from gaiety-or among the calculating, cause it is thought unproductive. a total misapprehension; and as I regard its correc essential to our success, I venture to say that farm ought to be more profitable in Pennsylvania than Englan !. The common notion is, that the high p of labor in Pennsylvania, make farming unproduct and the oninion is repeated without examination, ti last it is generally believed. Now the productive of farming, like the productiveness of every other cupation, depends on the expense of raising an art and the price you can get for it when it is raiset These expenses are the rent for the land, the to the manure, the prices of luburing cattle, of labor implements, and of laboring men.

The land which can be rented in America for or three dollars, could not be rented in England ur ten or twelve dollars an acre-so that already the I itself costs three or four times as much. When have got possession of the land, the tax-gatherer and tithe man soon make their appearance, and take f the farmer fifty three per cent. on his rent. I there are no tithes, and the tax, out of the immed vicinity of the city improvements, would scarcely one-tenth of the English tax-so that while on English farm of two hundred acres, the rent and c ges would be about The same rent and charges would here be \$3,

Making at once a difference of

Next, all manures are cheaper in Pennsylvani cheaper in themselves, and rendered more cheap the incilities of transportation.

Laboring horses are about one-fourth cheeper Pennsylvania; and, moreover, the work which horses do in England, is generally done here by o Cows, too, are much cheaper here.

"Laboring implements are cheaper and better, wood being so much lower-priced and durable. all these elements of work, there remains only la ing men who are cheaper in England; they are cher by about 30 to 35 per cent.; but even say that ges are 50 per cent. higher in Pennsylvania tha England. But then, although the nominal rat wages is higher, yet you actually get more work d for the money. The climate gives you more I for the money. working days than can be relied upon in the climat England, where out door work is necessarily m suspended, and the American laborer works for the very reason that he is paid better. And proof, which scems decisive, is that although mo wages are higher here, piece-work, contract worl whether to dig a canal or to reap a field, is done che est in America. And, accordingly, one of our n intelligent Philadelphia county farmers, Mr. Wallalways declared that his farm-work was done twe per cent. cheaper in Pennsylvania than in England But supposing it to be higher-labor is only one of elements-for we have seen that the rents are three four times as high—taxes ten times as high—manu; implements, cattle, all dearer-and far overbalanc any difference of wages were it even real.

"Let us now see what are the prices obtained what is raised. Wheat is higher in England—fl markets are higher. But wheat forms only one-four of the crop—and, on the other hand, the great stap wool, is dearer here-potatocs are twice or thrice high here-and, therefore, the English compete w us in our own market-turnips, cabbages, all vege bles, generally dearer; so that, after all, taking average, farm produce is not higher, or very lit ther, in England, while all the materials of raising are much higher there—so that, on the whole, rm labor ought to be as lucrative in Pennsylvania as nghand.

lo. 1.

ngland.

"With regard to wages, it may sound strangely, it believe it to be true, that the real interest of all riners is, that wages should be high, and for this realit. A laboring man is not a mere machine—a lump poor low, introduces month is not a daily numerical.

n. A laboring man is not a mere machine-a huan poor-box, into whose month is put a daily numr of cents never to re-appear, but a living being th wants and desires, which he will not full to gratthe moment he possesses the means. If he can rn only a scanty pittance, just enough to keep him ive, he starves on accordingly-his food, bread and ater, a half-fed, half-clad, wholly untaught animal, th a uscless mouthful of carnivorous te th. But it s wages increase, he instantly employs them in comrts; in clothes for himself and family; and as he rises the scale, ventures on the taste of meat. He emovs a tailor-a shoemaker-a hatter-a butcherd these in turn, purchase the materials of their ade from the farmer himself. The laborer becomes us a customer of himself, and the buyer of other stomers-and the farmer receives back, with abunint interest, the difference which he advances in the st instance between high wages and low wages. It for this reason that one of our shrewdest farmers sed to say, yes, give our laborers good wages, and

st instance between high wages and low wages. It for this reas in that one of our shrewdest farmers sed to say, yee, give our laborers good wages, and ey will buy our beef. Thus, too, the bounties of ovidence go around, a henelicient circle—and, after aking the laborer better fed, better clad, better aght—in short a better man, the farmer himself is better for the very benefits he dispenses. Depend upit, there is no surer sign of national prosperity an high wages—and God grant that for many a ng year it may be the lot of our countrymen who basist by the labor of their hands, to work well—to paid well—and to live well.

"And now we come to the reason why our crops do at equal those of England. It is, that our farms are too large-too large for the means we employ in rming them. Agriculture is the only pursuit I now, where the owner does not employ his espital his business. He rents or buys a large farm, and en has nothing left to stock it with. He might as ell rent a large store without goods enough to fill a agle corner of it. In England, it is supposed nessary, before renting land, that the tenant should the a working capital, of thirty or forty dollars an re, to employ. It is calculated that, besides lime d other enriching substances, the cost of the mere timal manures applied to the soil of England, sounts to three hundred millions of dollars; being ore than the value of the whole of its foreign com-Yet the grateful soil yields back with interest erce. that is thus lavished upon it. And so it would do re, if we would only trust the earth with any porin of our capital. But this we rarely do. A farmwho has made any money spends it not in his busiss, but in some other occupation. He buys more nd when he ought to buy more manure; or he puts it his money in some joint stock company, to convert nshine into moonshine; or else he buys shares in me gold mine or lead mine. Rely upon it, our richt mine is the barn-yard, and that whatever temptaons stocks or shares may offer, the best investment r a farmer is live stock and ploughshares.

"Another thing which we should strive to amend, is e unfarmerlike and slovenly appearance of our fields. lean cultivation is like personal neatness to an indidual, a great attraction to a farm; but who can see ithout mortification, our fields of Indian corn and states, just as they are verging to maturity, outtoped and stifled by a rival crup of weeds which seen atting with impattence for the removal of the real ops, when they and all their seed may take exclusions of the ground. The rule of farming soald be, never to let any thing grow in our field hich we did not put there; and the value as well as a beauty of the crop would more than pay the exesse of removing these moximus intuders.

"Nor do we pay sufficient attention to our gardens. Ve are too often content with a small enclosure where few pens and beans and a little shall are left to strug-le with a gigantic family of weeds, not to speak of as frequent inroads from the pigs; and what can be ared comes at last on our table the scanty empensis of the masses of animal food which form almost ur exclusive subsistence. For such a wilderness, ow easy would it he to substitute the cheap and wholesome luxury of many vegetables which would grow without the least trouble, and, while they gave ariety to our tables, would diminish our excessive and expensive use of animal food.

The same want of neutress pervades the externor of our dwellings. We look in vain for the trim grassplit, the mee border, the roses, the climbing vines, and all the haviriance of our native wild flowers, and all the haviriance of our native wild flowers, make up a great mass of energinents: they are the moveent occupation of the young members of the fundy—the elegant haviry of them all; and they impress even a passing stranger with a sense of the taste and ease of the farmer.

"In fruits, too, we are deficient. Our climate invites us to plant; and there is searcely a single fruit which will not grow in the open air, and all of them prosper with a little shelter. Undoubtedly there are msects which infest them; but these, care will exterminute. Undoubtedly some species are short-lived; but it is easy to provide a succession-and even many productions which we used to think uncongenial to our climate, will succeed if we only try them. For instance, I am satisfied, from my own experience, that every farmer may have his patch of grapes quite as readily as he can his patch of beans or peas. has only to plant his cuttings, as he would Indian corn, at sufficient distances to work them with the They will live through the winter boe-harrow. without any covering and with less labor than Indian corn, because the corn requires planting every year. while the vines will last for a century. He will thus provide a healthy pleasant fruit for his family use, or a profitable article for the market. .

I have spoken of farms and of farming, let me add a few words about the farmer. The time was when it was the fashion to speak of the Pennsylvania farmer as a dall, plodding person, whose proper representa-tive was the Conestoga horse by his side; indifferent to the education of his children, anxious only about his large barn, and when the least cultivated part of the farm was the parlor. These carricatures, always exaggerated, have passed away, and the Pensylvania farmer takes his rank among the most intelligent of his countrymen, with no indisposition for improvements beyond the natural caution with which all new things should be considered before they are adopted. Butt t unwillingness to try what is new, forms no part of the American character. How can it be. since our whole government is a novelty; our whole system of laws is undergoing constant changes-and we are daily encountering, in all the walks of life. things which startle the more settled habits of the old world. When such novelties are first presented, the European looks back to see what the past would think the American looks forward to find how it will affect the future-the European thinks of his grandfathers—the American of his grandchildren. There was once a prejudice against all these things—against what was called theory and book farming-but that absurdity has passed away. In all other occupations, men desire to know how others are getting on in the same pursuits elsewhere, they inform themselves of what is passing in the world, and are on the alcrt to discover and adopt the improvements. The farmers have few of these advantages; they do not meet daily at exchanges to concentrate all the news of commerce; they have no factories, where all that is doing among their competitors abroad is discussed; no agents to repert the slightest movements which may affect their interests. They live apart—they rarely come togeinterests. They live apart—they rarely come toge-ther, and have no concert of action. Now, this defeet can hest be supplied by reading works devoted to their interests, because these may fill up the leisure hours which might otherwise he wasted in idleness or misemployed in dissipation; and as some sort of newspaper ia almost a necessary of life, let us select one, which, discarding the eternal violence of party politics, shall give us all that is useful or new in our profes-This society has endeavored to promote such a one in the FARMER'S CABINET, a monthly paper, exclusively occupied with the puranits of agriculturewhere we may learn what is doing in our line over all the world, and at so cheap a rate, that for a dozen stalks of corn, or a bushel of wheat or potatoes, we may have a constant source of pleasing and useful in-

"I think, however, that we must prepare ourselves for some startling novelties in farming. We were taught in our youth to consider fire and water as the deadliest foes. They are at last reconciled, and their union has produced the master-work of the world, steam has altered the whole routine of human labor—it has given to England alone, the equivalent in labor of four hundred millions of men. As yet, commerce and manufactures alone have felt its influence, but it cannot be that this gigantic power will long be content to be shut up in factories and ships. Rely

upon it, steam will ere long run off the track into the fields, for of all human employments, farmwork is at this moment the most dependent on mere manual labor. Be not, therefore, surprised if we yet live to see some steam plough making its hundred furrows in our -or some huge engine, like the extinct mainmoth, roving through the western torests, and mowing down the woods, like a cradler in the harvest-field. Wild as this seems, there is nothing in it stranger than what we have all witnessed already. When Fulton and Oliver Evans first talked to us about the steamboat and the rad-road, we thought them insune, and already we empy more than they ever anticipated in their most sanguine moments. One of these applicahave already attempted in my own small way. know that the greatest enemy of our farming is the drought of mid-summer, when all vegetation withers, and the decaying cross reproach us with suffering the magnificent rivers by their side to pass away. In the southern climates of the old world, men collect with great toil the smallest rills, and make them wind over their fields-the hand-backet of Egypt, the waterwheel of Persia, all the toilsome contrivance of manund labor, are put in requisition to carry freshness and fertility over fields not wanting them more than our own. With far greater advantages absolutely nothing has yet been done in that branch of cultivation; may we not hope that these feeble means of irrigation may he superseded by steam, when a few bushels of coal may disperse over our fields, from our exhaustless 11. vere, abundant supplies of water.

"All these improvements which may adorn or benefit our farms, are recommended to us not only by our own individual interests, but by the higher sentiment of our duty to the country. This is essentially a nation of farmers. No where else is so large a portion of the community engaged in farming; no where elso are the cultivators of the earth more independent or so One would think that in Europe the great powerful. One would think that in Europe the great business of life was to put each other to death; for so large a proportion of men are drawn from the walks of productive industry and trained to no other occu-pation except to shoot foreigness always, and their own countrymen occasionally; while here, the whole energy of all the nation is directed with intense force upon penceful labor. A strange spectacle this, of one and one only, unarmed nation on the face of the earth! There is abroad a wild struggle between existing authorities and popular pretensions, and our own example is the common theme of applause or denunciation, It is the more important then for the farmers of this country to be true to their own principles. The soil is theirs-the government is theirs-and on them depends mainly the continuance of their system. system is, that enlightened opinion, and the domestic ties, are more stable guarantees of social tranquility than mere force, and that the government of the plough is safer, and when there is need, stronger than the government of the sword. If the existing dissensions of the old world are to be settled by two millions of soldiers, all ours will soon be decided by two millions of voters. The instruct of agriculture is for peace-for the empire of reason, not of violence-of votes not of bayonets. Nor shall we, as freemen and members of n domestic and fireside profession, hesitate in our choice of the three master influences which now rule the world-force, opinion, and affection-the cart-ridge-box, the ballot-box, and the band-box."

Post Office.

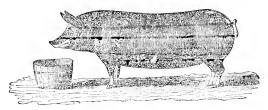
There are more than 21,000 Post Offices in the U. States. By the law of the land, the annual compensation is not to exceed \$2000. In only thirty-nine offices does the regular commission or per centage allowed to a Postmaster amount to that sum. Of these, seven only are in the New England States; six in New York; four in Pennsylvanni; two in Manyland; two in District of Columbin: three in Virginia; three in Georgias two in Alabama; three in Olio; and one in each of the States of North Carolina, Louisana, Tennessee, Kentucky, Michigan, Indiana and Missouri. In eighty Post Offices, the compensation ranges from \$1000 to \$1200. A very large number of Postmasters receive a compensation ranging from \$500 to \$1000.

INCREASE OF POPULATION.—According to the official returns in the the hands of the U. S. Marshals, giving the population of the whole State of New York, it appears that, in 1830, the State contained 1,918,608—in 1840 it contains 2,429,476 sonls. Increase in ten years, 510,868.

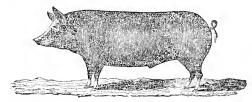
"The rust of the mind (idleness) is the hight of genius."—Soncea.

BURESHIRE STINE.

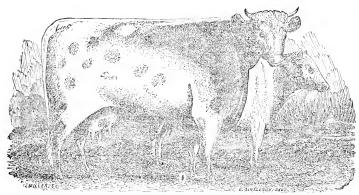
The experience of the pastyoan, we believe, has fully sustained the claims of the Berkshires for superiority over other breeds of swine. We do not deem it mecesary to devote much space to their pranse; but less some of our renders should suppose that Rechester is "behind the age" in this species of improvement, we give, below, correct portants of two pags, belonging to Col. Axos (Sawlin, of this city, which received the first premiums at the late Fair of the Genesee Agricultural Society. In our next we intend giving a more particular account of this breed of swine, together with portraits of two full grown ammals, belonging to Col. Sawyer.



The above is the likeness of a sow pig. 7 months old, weighing 170 lbs.; got by a boar formerly owned by Mr. Lossing, and sold to Ohio for \$200.—. Note.—The curve, or hollow in the back, seen in this cut, is not usual with the breed, except when young.)



This is a boar pig, san c age as the other; weighing 155 lbs.; got by Mr Allen's "Prince Regent."



IMPROVED BURHAM SHORT HORN COW "GAZELLE."

WITH HER HEITER CALF 44 HEBE."

THE PROPERTY OF THOMAS WEDDLE, ESQ.

Gazelle is three years old, roan color, with the red and white indistinctly and richly blended; and is an excellent handler. The cut exhibits the symmetry of her form, which in its true proportions and full development of all the fine points, is not often found in such perfection in one animal. She is not preventarly large, but short in her legs and fine in her bone, of great width and remarkably straight both on her top and below. She has indications of a good milker, but having brought up her own calves, neither the quantity or quality have been particularly tested.

GAZELLE was bred by Thomas Weddle; is by his imported Rover (alias Charles—1816) from the herd of the Earl of Carliade; dam, his imported Frize (alias Crocus) from the herd of Henry Edwards, by Romulus, (2563;) gr. dam Prize, by Malbret, 1180;) gr. gr. dam Tuip, by Regent, (344;) gr. gr. gr. dam Primrose, by North Star, (189;) gr. gr. gr. dam by R. Collang's White Ball.

HERE is nine months old, color pure white: by American Counct, posses ing all the choice points and frame of her dam; a fine mellow hide, and of course handles admirably.

Hints for the Month.

The most important hint, we believe, which we can give to farmers at this senson of the year, is to avail working without pay. Working for half pay, too, is to be shunned. To remove as far as possible from such unprefitable labor, it should be the ann of every one to make his welk tell to the best advantage. A man may be wonderfully industrous, rasing at four, and aboring till eight at night, but a filess be gets a full return, it is still maker discounging. To enable him to do so to profit, let us enter a butle into detail.

The farmer works for half pay, who suffers his domestic animals to cut, drink, and sleep, exposed to all the fury of rough wanter in this northern region. He has labored to obtain his stock—taid full price for them—and his hay, strow, grain, and roots, (if he has any,) have cost him their due share of swent and futigue. Now, a want of care,—suffering his animals to shiver in the winds, treading their hay under foot, starving them at one time, and over feeding them at another,—will cause the a usumption of twice as much food as will keep them in good condition if properly managed, and he will have poor, weak, and perhaps discussed ones, as the reward of his labor next spring. He will work for half pay.

Let all your animals therefore be well supplied with she'ter—with racks—feeding trengbs—clean litter—and good watering places; let them be kept clean and fed regular; and save your lay by the free use of a good straw cutter,—if you wish to avoid unrequired labor.

Shelter, will prevent cattle from suffering from cold, thus reducing their flesh-will prevent disense-and keep them in better condit on for the same amount of food given. It is absolutely necessary where animals have been suffered to become weak and discused. In slicen, it will not only prevent emaciation, disease, death,-but increase the quantity and improve the quality of the fleece .- Good racks for feeding will prevent a great waste of hay. Feeding troughs are necessary for roots, meal, and chopped straw. Clean litter is not only indistensible to the health and comfort of the ammal, but exceedingly valuable in the manufacture of nonnure, and should therefore he used facely. During severe weather the most manure will be made by not removing it from the cottle stable, oftener than once in two or three weeks, the successive layers of straw absorbing and retaining more effectually the liquid parts, except the stable floor has been expressly constructed for this purpose; but in continued moderate or thawing weather, the stable should be daily and thoroughly cleaned. Good watering places are especially accessary, as animals often suffer the want of water from the inconvenience in procuring it. Springs are better than running streams, the ice often shutting out the animal from the latter, unless some one can break it several times a day for them. Under drains, from wet portions of land, by forming artificial springs at their foot, make excellent watering places in winter, as well as improve the land Cleanliness is highly important, filth often being the first step to disease, as well as the last. And regularity in feeding is also very necessary, as every animal has a clock in its head, by which it accurately registers the times of feeding-or at least appears to do so. Dr. Franklin said that creditors were a superstitious sort of people-great observers of set days and times; domestic animals appear to be equally so-rigidly observing appointed period-; and doing penance for their owners by fretting away large quantities of their flesh, if these periods are not strictly observed.

The farmer works for full pay, who employs himd self through winter in doing work which must otherwise be done in summer to the detriment of all order

on-cuts his stove wood and has it well seasoned and abundance by next summer-cuts next winter's rood, and has that also well seasoned, thus saving one hard of weight in drawing, more than half its value or burning, and prevents cold rooms, smoky fires, nd long faces, on cold winter mornings. He puts evry thing in order about his premises which can benys up fallen rails on fences-repairs his stone walls there needed-noils loose boards fast, on his board ences and enter, especially those next the public road. o as not to be troubled by all the vagrant cattle and l-bred colts of the neighborhood, who are ready to ilfer every thing in an entable shape that they can lay heir rescally mouths upon, without regarding the ights of meum and tuum. He procures seed for next eason, repairs and puts tools in order, and attends to hundred other things sufficient to keep him busy. and every farmer would find enough to coupy all his ime during the short days of winter, at fall, or even ouble pay, by constantly keeping a memorandum of that needs doing in his pocket, on which every thing, a it occurs to him, is at the moment recorded; espeially if he employs his long evenings in reading and toring his mind with useful facts and information, erived from the experience of others.

Petitions for Legislative Aid.

The following extract is from a letter not written or publication, but we give it as a specimen of quite number received by us during the past month. It vill be remembered that Mr. Parsons was President f the Niagara County Agricultural Society as long s it was in existence.

"On the subject of "Legislative aid to agriculture" this State, I am glad the subject is beginning to be gitated. I am a most decided friend to such a meaire.

If only one hundred dollars would be appropriated each Member of Assembly, to be expended, to ether with an equal, or greater amount collected by ne County Agricultural Society, and (for the Emire State) two or three commissioners appointed, afer the plan pursued in Massachusetts, I have no oubt the sum thus expended by the Sinte, would soon e returned to her treasury, in tolls alone, with an inease of fifty per cent. I hope measures will be ken, without delay, for bringing the subject, at an arly day, before our Legislature, in a strength of oice, and a fullness of expression, that will not be isregarded. There is, in my opinion, no question at such an appropriation can be obtained at the comto session, if the voice of the farming community sould be so expressed.

And the formers would, most undoubtedly, so exress themselves, if the subject were but fairly brought their consideration.

Yours, &c. very respectfully, Locknort, Dec. 18, 1840. W. PARSONS.

There seems to be but one opinion as to the proprity of petitioning for Legislative aid-and not much ifference of opinion as to how that aid can best be pplied. After consulting quite a number of experinced individuals on this subject, we drafted the folowing petition with a view to meet the wishes of the najority, and believe it will give general satisfaction. Several hundred of them have been printed and sent to Post masters and others who it was supposed would irculate them. Any persons who desire to sign or irculate them, and do not find one at the post office, an write a copy.

It is hoped that all who receive the petition, will give it their prompt and efficient attention. Take our horse and sleigh, and in half a day you can call on a whole town or neighborhood, and get a score or wo of signatures, (and also a number of subscribers to

the result will be such as will convince you that your time was not mis spent.

The petitions should be sent to some member of the Assembly, at an early day of the sitting of the Lemslature. Where several are circulated in one neighborhood, the names can be cut off, and all attached to one

To the Honorable the Legislature of the State of New York in Senate and Assembly convened:

WE, the subscribers, being mostly Farmers in the County of _____ do be milly present-

That, as Asseculture is the origin and foundation of all real wealth and prosperity, and the chief source of human sustenance, its unprovement is a subject of the highest importance, and demands the particular enconingement of Government. And, past experience having shown that the improvement of Agriculture is best promoted by County Societies, Exhibitions, and Premiums; which the same experience has shown cannot long be sustained by individual contributions: we do therefore pray your honorable body to encourage the formation of Agricultural Societies in each County, and grant a small appropriation from the publie fund for their support-according to the ratio of copulation-say our hundred dollars annually to each Member of the Assembly; to be continued for the term of ten years, subject to such regulations and restrictions as may be deemed necessary, and conditionally that an equal amount be taised by the Society.

And we further pray your honorable body to provide for the appointment of three or more algricultural Commissioners, for the term of three years, whose duty it shall be to visit each County in the State, and encourage the formation of Societies, deliver addresses and write communications on the improvement of Agriculture; and make an annual report to the Legisla-

Your petitioners humbly conceive that such approprintions would tend greatly to promote the prosperity and bonor of the Empire State-increase its wealth and productions—augment its canal tells and revenues, and enhance the value of its lands. We do therefore confidently hope that your benerable body will grant our request; and that a law for that purpose will be passed during the present winter. And, as in duty bound, we will ever pray, Sec.

Peraps.

CONDUNSED FROM I VOHINGE PAPERS

IMPORTS AND EXPORTS .- During the last ten years, imports have been \$41,000,000 of wines, \$118,000,000 of silks, and \$34,000,000 of iron; total \$243,000,000,

In 1839, exports of domestic productions were but \$97,000,000; imports were over \$170,000,000. Why not raise our own silk, manufacture our own

iron, and so forth, and save our hard money ?

THRASHING CLEAN .- Henry Colman says, that in passing wheat that was considered well thrushed by the flail, afterwards through a good machine, he has obtained at the rate of two full quarts to the bushel. or one sixteenth of the whole; reminding him of the Irishman's straw, who on being asked the cause of the fine condition of his horse replied, "He has nothing to ate but whate straw, and that not half thrashed."

A NOBLEMAN PLOUGHING. -At the late exhibition of the English Agricultural Society, an American plough, (the kind or name not mentioned,) sent there on purpose, was tried. It was "handled in a masterly manner" by the Duke of Richmond, but was commended for its simplicity only, but not for its offi-

COSTLY AND PROFITABLE -- Wm. P. Curd, Esq., of Fayette County, Ky., has 14 Berkshire, and 3 Irish part of the common stock.

nd all profit. Such a farmer takes time by the force the New Genesce Farmer.) Try this, and we trust | Grazaer breeding sows; and 4 Berkshire, and 2 Insh Grazier boars; which cost him three thousand dollars. Was he a fool for paying this enormous sum? Let is are-during two years 31 silver caus have been awarded at different fairs to these hogs. From them he has already sold 110 pairs of pigs at \$10 a pair-equal to \$1,400. 254 sows, some of which have been sent 200 miles, have been bred to his boars at \$10 eachmaking \$2,540. So much for having the very best animals. And his customers will find it quite as profitable before they are done with farming.

CROPS IN OHIO. - A. B. Allen, in a late number of the Cult vator, writing from the valley of the Sciota, says the crops are so abundant, that corn commands only, 124 to 15 cents, and wheat 45 to 50 cents per bushel; and that hay in the country is \$2 to \$3

LARGE CROP OF PUMPRINS .- E Hersey Derby of Boston, planted 70 square rods of ground, in well-manured hills 9 feet apart. A heavy crop was the result. Some of the pumpkins weighed 112 lbs. 'The weight of the whole crop was no less than 22,220 pounds, or at the rate of more than 50,000 lbs. to the acre-about 50 wagon loads of ordinary size.

IMPORTANCE OF ROTATION .- M. S. Kirkbride gives, n the Farmers' Cabinet, the produce of a lot of ground, cultivated for the last three years with sugar beet, as follows :- 1st year, 42 tons per acre; 2d year, 25 tons; 3d year, 211 tons.

RATS AND MICE. - A correspondent of the Farmers' Cabinet, estimates, at a very moderate calculation, the amount of depredations caused by rats and mice, in the State of Pennsylvania, at \$600,000, annually. He recommends terriers and ferrets as the best means of destroying them.

Money changing pockets. - Henry Colman says that in consequence of the English baying blockaded Canton and the rise in the price of teas, that the profits of a single Canton ship are stated at 300,000 dollars! and that three commercial houses in Salem have realized by this advance of price the vast amount of 1,500,000,-"if any farmer can enumerate such a

For the New Genesee Farmer. "Agricultural Commissioner,"

The importance of having a State officer of this kind can scarcely be overrated. Most farmers are so much occupied with their needful labor as to leave them but little opportunity for ascertaining the nature or value of the improvements in their profession, which are constantly taking place.

If a qualified individual could give his entire attention to v hatever pertained to the interests of this important subject, a great amount of valuable information would soon be placed within reach of all. New implements, or those already in use, would be subjected to rigid examination, and their comparative merits ascertained. The purchaser then, instead of relying upon the interested manufacturer, would receive a valuable article without paying double its worth -Thousands of dollars are annually expended in our country for labor-saving machines which prove to be inferior or worthless.

The Commissioner, by frequently visiting the several counties, would become familiar with the methods of farming adopted in each, and prepared to recommend whatever experience might justify. He would examine the different varieties of seed, and establish their relative value; and the monthly reports would convey a definite idea of the condition of some portion of the State.

He would hold frequent meetings for the purpose of imparting information and encouragement, assist at the formation of societies, circulate agricultural papers, and, in short, by every means in his power endeavor to make the knowledge of each individual a W. R S.

The following very just remarks should be well Wheat and Hay-stacks protected from Lightunderstood by every experimentalist in agriculture.-Although applied only to manures by the writer, they are not less applicable to every thing else connected with the cultivation of the soil. Experiments often produce quite different results, from the difference of soil, climate, season, or other circumstances connected with them, which may be all essential, but which are entirely omitted or indefinitely mentioned in the statements of those experiments.

From the British Farmers' Magazine.

Reporting Experiments with Artificial Manures.

In all our agricultural publications now issuing from the press, we see many accounts of experiments made for ascertaining the value of certain sabstances recommended as manures, either for top-dressing or ploughing in. Some of these accounts are elaborately, and, no doubt, faithfully written; and sometimes favorable, or, as it may happen, unfavorable. Sometimes, too, we are told of the same material having contrary effects on land of precisely the same character, especially if situate in different parts of the king-dom. Now these discrepancies may often arise from ignorance or want of consideration of the peculiar effect or action of the material employed.

Besides the various substances which have been used as manures from time immemorial, there are otbers, chiefly minerals, which are brought into use with various success. The reports of such trials are not always uniform; and defective in so far as the character of the weather or season following the application is omitted to be stated. In my own practice I have used soot extensively far top dressing wheat, and have harrowed and rolled it in; but if a dry spring and summer followed, the saot was of no used chalk and lime as dressings for light gravelly land; but if a wet season succeeded, bittle or no immediate effect was observable. The same result fol-lowed the application of salt, on the same description of land, under the same circumstances of season. the reason for the non-efficiency of these three last named substances was perfectly obvious: all three are ready absorbents of water from the air, and in dry seasons are eminently useful to growing crops; whereas, in a showery time, the crops need no such assistance.

Saltpetre and nitrate of soda are at present fashionable top-dressings; and those best acquainted with these substances affirm that they are often injudiciously used. On wet tenacious land they can never be so efficacious as on dry sandy or gravelly soils; nor in wet sensons so much as they certainly must be in dry. It I be not mistaken in attributing to them such effects, they will always be considered as doubtful fertilizers; because they must be used before it can be ascertained, except by conjecture, what sort of season is to follow.

Mr. Cuthbert Johnson observes, that the "agricultural uses of saltpetre have not been examined so carefully or generally as they ought to have been;" G. Kunberley, Esq., of Trotsworth, "regrets that it has been hastily adopted, without reference, in many cases, to season, soil, climate or quantity; and as a few fortunate experiments have started into a fashion the use of these articles, so one or two unscasonable or improper applications have at once condemned them to neglect and oblivion."

Such reports show decidedly how necessary it is to know - receily the effects of those artificial manures; wacther as the food of plants, or improvers of the staple; whether as exciters of vegetation or solvents of the nutritive matters already in the soil; and also under what circumstance of weather or season they are most active, or altogether neutral. These are questions for the agricultural chemist to prosecute; so that no farmer need work in the twilight, or be in doubt concerning the direct effects of any manure which comes recommended from competent authorities.

And in all future reports of experiments made with any of those uncommon articles of manure, the reporter should not omit to state what kind of weather has prevailed during the experiments; for the effects, especially of saline substances, are very much determined by the state of the weather.

J. MAIN. [Our respected correspondent is right. Much of the success or otherwise, of these, and many other manures we could name, must depend on peculiar eircumstances of soil and season. We have heard salt-petre abused one year, and highly extelled in another; although tried on the same soil, the same description of orop, and by the same person.--Ep.]

ning.

The following ridiculous method, from an English paper, is going the rounds in this country, but we trust no intelligent farmer will be deluded by it. It consists merely in placing a broken glass bottle on the highest point of the stack, glass being a non-conductor. It must be evident to any one, acquainted with electricity, that this can afford no protection whatever, and would no more prevent the downward descent of a thunderbolt upon the stack, than a spade-full of turf would stop the cataract of Niagara. A non-conductor is negative in its properties; and a conductor can only carry the electric discharge safely to the ground.

Ice Houses on the Ground. J. S. SKINNER, Esq. - DEAR SIR-In your paper of the 12th, you ask for information relative to the construction of ice houses above ground. The information below is not from actual experience but from actual observation. In New Orleans and Mobile, they are all above ground-in the former place, from the same cause, to a greater extent than what you complain of. Their having succeeded so well there, is the cause of their being used in the latter place, where, in 1838, there were two-one built for the purpose, a common frame building, the other an old brick warehouse. I have examined both, being desirous to know how ice houses could be fitted above ground to keep ice from rapid evaporation. I found there was an inner partition made of boards, space, I think, four feet; this divided into two parts, the one next the outside filled with rice chaff, the other with charcoal; nothing on the floor but straw and chaff. On the garret floor there were several scuttles, or trap-doors. The ice was hoisted up through them, and then taken down a pair of steps fixed on the outside the building.

The keeper also slept in the garret part. formed me the evaporation was very small, much less than he could have expected. Even in that warm elimate, I do not think it necessary to have them earthed outside; but a shade of trees I think would be of service.

Perhaps in this climate, a space of two feet, filled with chaff and charcoal, would be sufficient. I think wheat and out chast would be a sufficient substitute Respectfully, D. GRIFFITH.

Since the preceding very obliging communication was received, we have conversed with R. Peters, Esq., of Philadelphia, to whom the subject is practi-cally and philosophically familiar. He satisfied us that in all situations it is better to build above ground, with a view to more perfect preservation. When the house is built below the surface, the earth is of a temperature and consistence to make it a conductor, instend of a non-conductor of heat. The great, if not the sole object, in a work, is to get your ice enclosed in a space which is surrounded by the most perfect non-conductor of heat! and that is most easy and practicable, by building one house within another, not permitting them to touch at any point, leaving between the two a space of say 15 or 18 inches, to be filled in compactly as the houses progress from the bottom, with charcoal or tan. We intend to have a foundation or floor of sand, rising any 12 or 18 inches above the ground, on the outside of the building, and on the sand place a covering of tan bark. The melting of the ice may be expected to be absorbed by the sand, eny surplus passing off, under the sills. The house we think will be best covered with a very thick covering of fodder or marsh grass that will turn the rainbeing ventilated at each end-Who sees any objection to this plan? As for shade we shall choose to build in a situation exposed to the sun, where evaporation will be most active, and moisture least liable to accumulate. - Amr. Far.

National Gallery of American Manufactures.

The new Patent Office, lately erected at Washington, is a very large and splendid building, and one which will long reflect credit on the nation. Besides containing ample room for the numerous models and specimens of patented inventions, provisions have been made ir for a national gallery of American manufactures, agricultural productions, &c. For this noble project, the nation is mainly indehted to that ELLSWORTH, Commissioner of the Patent Office. We gard it as honor enough for them to be well qualified

rejoice that the business of executing the liberal plans of the government, in the formation of this institution, has devolved upon one so eminently qualified for the task. And there can be no doubt that, under the supervision of this able and patriotic gentleman, a collection will in a few years be formed, that will prove highly useful, as well as honorable, to the nation.

We take particular pleasure in publishing the following notice, forwarded to us by Mr. Ellsworth, on account of the prominence which he gives to agriculture. This art of all arts has long been too much neglected by our Congress and State Legislatures, and it is pleasing to see, of late, so many indications of a disposition to give the subject something of that consideration which its importance demands.

PATENT OFFICE, Nov. 20, 1840. Notice is given that the Hall in the new Patent Office, for the exhibition of manufactures, is now com-The Hall is spacious, being 273 feet long, 63

feet wide, 30 feet high, and fire proof. Agents whose names are annexed, will receive and forward, free of expense, articles which may be deposited with them These articles will be classified and arranged for exhibition, and the names and address of the manufacturer (with the prices when desired) will be carefully affixed. Few, it is presumed, will neglect to improve the opportunity now presented, of contributing their choicest specimens to the National Gallery of American Manufactures, where thousands who visit the Sent of Government, will witness with pleasure the progress of the arts in these United States.

It fairs in limited sections of our country, have excited interest, what must be the attractions of a national exhibition, enriched by daily additions.

The agriculturist may be gratified to learn, that commodious rooms are provided for the exhibition of agricultural implements, and also for the reception of seeds for exhibition or distribution.

The Commissioner of Patents, being authorized to collect agricultural statistics, avails himself of this opportunity to solicit information of the condition and character of the crops in the several sections of the country. These data will aid him in presenting with his annual report, the aggregate amount of products of the soil, and it is hoped that the public may be guarded in some measure from the evils of monopoly, by showing how the scarcity in one portion of the land may be supplied from the surplus in another.

Names of agents who will receive and forward pack. ages for the Patent Office. Collectors of the Customs at Portsmouth, N. H., Portland, Me., Burlington, Vt., Providence, R. I., Philadelphia, Baltimore, Richmond, Charleston, Savannah, N. Orleans, Detroit, Butlalo, Cleveland. Surveyors of the Customs-Hartford, Ct , St. Louis, Pittsburgh, Cincinnati, Louisville; R. H. Eddy, Boston, Mass.; David Gardiner, (Custom House,) New York. HENRY L. ELLSWORTH,

Commissioner of Patents. Editors are very respectfully requested to give the above an insertion in their papers.

Education for Farmers.

The following just remarks are taken from an address delivered before an agricultural society in Ohio.

"I well know the fondness of a parent's heart. I am a parent and can appreciate a parent's feelings, and there seems to me nothing unnatural in the desire of a parent that his children should occupy honorable and useful stations in the world. But still those farmers greatly err who suffer their sons and their daughters to be brought up with a feeling of contempt for the toils of the husbandman-who suffer them to feel that because their parents have been able to confer upon them, it may be a college education, that henceforth the axe and the hoe are implements unworthy of their touch. The fostering of such feelings of pride in the bosoms of your children, is fraught with the most dangerous consequences to them. Show to them, by your efforts to apply the benefits of science to the culture of the soil, by the interest which you manifese in extending improvements, and by conferring tht benefits of your experience upon others, that you regard your calling as useful, important, honorable, and respectable, and instead of crowding your children, as too many misguided parents do, into the learned professions, or into the commercial ranks, let them see that you are not ashamed of your occupation, that you well known friend of improvement, the Hos. H. L. feel that it ought not to be despised, and that you re-

to trend in your footsteps, and to perfect and carry out the improvements which you have commenced. they will come up to take their places in society, feeling, and truly too, that the occupation of the agriculturist is both honorable and respectable-and so they will be kept in a great measure from the indulgence of a foolish pride, and from encouraging in their breasts a vain ambition which can never be realized. And you may be sure that in subsequent life they will be called to fill such stations of honor or of trust, as they may seem to be fitted for, by their talents, their acquirements and their worth. At all events, they will be useful, respectable and substantial citizens, contented and happy themselves, and dispense happiness and comfort to all around them. How much better, how much more rational, how much more honorable and respectable thus to be, than for young men to start off with the idea of being fine gentlemen, and attempting to live upon the scanty pittance furnished them by their wits. Such unhappy and misguided young men, soon become the small politicians of your villages, or the brawlers of the grog-shop, and will soon end their career, if not in crime, in neglect and insignificance.

"The fostering, building up and sustaining of the Common School system, is to the farmer of paramount importance. To the Common School must be look, mainty, for the education of his children, and for the support of such schools should he be willing to make some of the largest sacrifices; or rather he should not call any thing which he does in that behalf a sacri-fice. Let efforts be at once made to introduce into all our common schools, all those desirable improvements in education which the experience of the age suggests. Let none but suitable and competent instructors be engaged, and whatever the cost of such may be, let the expense be cheerfully met. Let not instruction be confined to the mere elements of education, such as reading and spelling, but let the physical and natural sciences be introduced, and proper instruction given in all those higher departments which are catculated to expand the minds, and make business men and women of your sons and daughters. Let elementary books on agriculture be introduced into the schools, that the education of your children may be in part at least, an agricultural education, and however learned or renowned they may subsequently become in the world of letters, they never will despise the calling to which their fathers were attached .-Let the standard of the moral character be elevated, and let the cultivation of the religious affections and principles not be neglected. Thus educated and thus reared in habits of industry, they may be safely sent forth to enact their part on the stage of life."

Why don't be do it?

When the Farmer knows, that a gate is better, and as a time and labor saving fixture cheaper, than a set of bars and posts, and without calling on a carpenter he can himself make one, Why don't he do it?

When he has no other fastenings to his gates and barn doors than a rock rolled against them, and in a single evening after supper is able to make a better, Why don't he do it?

Vhy don't he do it?

And when he knows it's better and more profitable

to have good fences than poor, Why don't he do it?
Or if he thinks it will not quite cost to make good fences, and only thinks so, and this mere guees work, and by calling on Mr. Townsend of East Haven can accertain the facts in relation to it, Why don't he do it?

Or if he wishes to see some of the most approved fixtures appertaining to farm buildings and the keeping and feeding of stock, &c. &c., and can do so by calling on the above named gentleman, IVhy don't he do it?

Or when he sees the boards dropping from his barns and out buildings, and like heaps of rubbish lying in piles about his premises, and need only nailing on again, Why don't he do it?

Or if he is alraid of the expense of nails and is always crying up the maxim of Doct. Franklin, to "save the pence and the pounds will take care of themselves," and he knows that the same Doct. Franklin also said that "many men are penny wise and pound oolish," and he is not careful to think of the precept contented in the latter. When day "the day it?

Contained in the latter, Why don't he do it?

If it is a saving of nearly half the unanter of a farmer's stock, by keeping them shut up in yards, instead of running at large through most of the winter, Why don't he do it?

If he knows that many of his fields would be greatly improved by ditching, and by the removal of large

stumps and stones, Why don't he do it?

And when he knows that his pastures would yield nearly double the feed, and of a better quality, if the

bushes were all cut and subducd. Why don't he do it?
And if he can add tifty per cent, to the product of his clover fields, and even his pastures, by the uso of

Gypsum, Why don't he do it?

If a furner of hity acres has (as he should have) use for a good court sheller and one of the many improved familing mills, and he has not already obtained both, Why don't he do it?

And it it is cheaper, actually cheaper, to burn dry wood than green, and to use a store instead of an open fireplace, Why don't he do it?

wood than green, and to use a stove instead of an open fireplace. Why don't be do it?

And finally, if every farmer is not a subscriber to an agricultural paper, Why don't be do it?—Farmers

Cure for "Disease in Swine."

Messns. Entrops—In the November number of the Farmer, lobserved an inquiry from Mr. Webber of Michigan, respecting the cause and cure of what appears to be the Blind Staggers in Swine.

As to the cause of this disease, I am not able to speek decidedly; but suppose it to arise from a determination of blood to the head. Leaving the cause, therefore, to abler hands, I will proceed to the cure. Catch the hog, and with a sharp knife, make an incision through the skin, 2 or 2½ inches in length, vertically on the forebead, about 1½ inches below the top of the head, and insert into the wound and under the skin, as much fine salt as possible. Repeat the application hourly, and it will very soon effect a cure.

Respectfully your's, &c.

ZECHARIAH CONE.

Bataria, Dec. 1840.

Sowing Orchard Grass Seed.

I should have answered your inquiry (in No. 10,) respecting the quantity of Orchard Grass Seed required to sow an acre, &c., but I have been long absent from tome, and seeing the opinion of Dr. James Mease, President of the Philadelphia Agricultural Society, in your Nov. number, I have only to say, that my opinion does not differ much from his, and I fully agree with him on the advantage of sowing Orchard Grass and Clover together.

Yours, &c.

ZECHARIAH CONE.

Beets for Cattle.

As experience, and not speculation, is what farmers need, I will give my observations in feeding beets to my cowe during the two past winters. In 1833 I put up about 300 husbels of Mangel Wintzel beets, 100 bushels of turnips and some potators for the purpose of experimenting in feeding my cattle through the winter. it knew nothing but that what I learned from books, as I was acquainted with not armer to man I yet) who fed with roots. At first I was no aloss to know how to feed them, whether in a raw state or cooked, but having determined to try both plane, I commenced the work and each did well. Young animals are peculiarly fond of the raw beets and thrive actionishingly on them; but for cowe that give milk, they are better boiled, particularly if a steamer can be used in the process. Though milk cows should have raw beets once in every two or three days if grass cannot be hald.

The turnips and potatoes were given precisely as the beets; but I could not determine that either had the preference over the other, as the cows gave about the same quantity of milk, and their condition did not seem changed by either. In feeding the same animals with beets, it was easily told that one-third lees than of the turnips or potatoes would make them give the same quantity of milk, of better quality, and they showed better keep. The beets made the milk better, the butter better, and the cows look much better. On one half bushel of beets per day to each cow, with straw and a little meal or bran mixed in, they continued in good condution through the winter, gave as full as good as in May. My experience during the past winter (1859–40) while I fed on roots, only confirmed my former conclusions.—Western Paper.

Our Trade with France.

The New York Express of Wednesday, says—
"The export of specie has, in its operations, been quite remarkable. Exchanges on all Foreign places, France excepted, have been in lavor of this country. No specie has been wanted, and yery little has been and the place of the second of the

shipped to any other place. France has, particularly, for the last three months, been receiving large smus an silver. The question naturally arases, how is this? Why is it that while there is a perfect reciprocity in trade with any other country to such a degree, that we neither receive nor pay any considerable sum in specie, France should bring us in debt at once full three millions of dollars; and taking it she takes not gold, which we can spare, but will have all silver, a description of coin that we cannot spare. The great secret is, in the immense introduction of silks. The duties heng now removed, this description of goods comes in a tvery reduced rates. Pashiou unfortunately clothes our females in silke, and oven the males take a large quantity.

"Our great staple, cotton, is the principal article that is sent in pariment, and at the unprecedented low artes it is bringing in Europe, it talks short of n sufficient sum to pay for our indebtedness. To Fugland, besides the veat sum we pay for goods, we have to provide for n large amount of interest, and with all this running against us, we are enabled to square up with produce; and yet with France, from whence we receive but little close than silks and wine, which contribute but little to our national revenue, we are consult in debt. Nor is there much prospect of any favorable change, so long as fashion runs in favor of silk goods. So long as they are admitted free, and so long as cotton continues at the present low rate, it is hardly possible that there can be any change for the better."

Exercise, a Moral Duty.

The faculties with which our Creator has endowed us, both physical and intellectual, are so dependent upon exercise for their proper development, that action and industry must be regarded as among the primary duties of accountable man. "In all our conceptions," says an ingenious writer, "exertion is connected with success and renown." A triumph without an enemy combatted, and a victory won; a prize where no course is marked out and no competitor starts with us in the race, are not:ons which do not find a ready admission into our minds. Such is our constitution, that, according to our usual train of thinking, that where there is no exertion, there can be neither bonor or reward. Progress in moral and intellectual excellence is our duty, our honor, and our interest. To be stationary, or to retrograde, is disgrace-We came into the world fceble in body and in mind, but with seeds of improvement in both; and these seeds grow, according to the cultivation they receive from exercise. The body grows in stature and in strength, and the mind gradually expands. But exercise is requisite to the development both of our corporeal and mental capacities. In the course of years indeed, the body grows; but without exercise, it is lumpish, feeble, and inactive; and the mind, wholly undisciplined, remains in a weak and infantile The exercise which is requisite in order to state. The exercise which is requisite in order to al and intellectual powers, is not only the chief means of our improvement, but also the main source of happiness. Without exercise of body and of mind, there can be no happiness.

In one respect the farmer bas the advantage of almost all other classes of the Inboring community; his evenings he has to himself, while the mechanic has to labor from morning till 9 o'clock in the evening, the farmer's day commences with the rising and closes with the setting of the sun. Although the industrious farmer finds many little jobs of work, to which he very economically appropriates his evening leisure, yet the greater part of the long winter evenings he can appropriate to his amusement and instruction. lr no place do we see more cheerful countenancest at around the blazing fire upon the farmer's hearth. There, at the merry apple paring, or at the neighbor ing collection, or even in the family circle alone, do we find social happiness in its pure simplicity. What an opportunity this, for an acquisition of knowledge ! What farmer who improves these opportunities can but be intelligent? And what instruction so interesting as that which gives him a knowledge of his own employment? Here we would suggest the importance of every farmer having a supply of agricultural books and papers. It seems to us that no one can be insensible to their utility. If this should be a suggestion of self interest, which we do not deny, still we believe it coincides with the interest of the farmer. We will not enlarge on this subject, as we apprehend it would not convey that knowledge which we recom-mend. We will barely say, that we expect our subscribers to increase as the evenings lengthen .- Silk

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II Statistics of Monroe Co., next month. Decay of Ruta Bagasas Inquiry.

Messes. Thomas & Bateham-When I harvested my ruta bagas this fall, I found nearly one third of them were spoiled by the rotting of the upper part of the roots, and as they had not been exposed to frost or much wet, I am at a loss to account for t'eir decay. They were harvested about the last of September, and appeared sound and good, (except that the leaves were yellow,) but on taking hold of the leaves to pull them up, the tops came off, and showed that the necks were rotten.

Many of my roots were more or less injured by grubs, but I could not perceive that this caused their decay. If any of the readers of the Farmer can explain it, I should be pleased if they would do so. Yours, &c.

SILAS PRATT.

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In additi county, in t bushels of b 4.520 pounds of hops. 21.452 pounds of hemp and last. flax, 180 pounds of cocoons, and 1288 pounds of wax

The number of cords of wood sold, was 23,538.-The amount of pot and pearl ash manufactured in the

ry \$24,685. re free per-males, who day of June

There were also resident in the county on the first day of June last, 135 Revolutionary and Invalid Pensioners.

The Fruit Garden.

In our last volume we treated of several particular respecting the Fruit Garden; and we now continue our remarks for the purpose of calling the attention of independent farmers to the subject. In so favorable a soil and so fine a climate as that of the Genesee coun try, it has often been a cause of regret to us, that so many hundreds-yes thousands-of wealthy freehold ers should be destitute of the delicious fruits that such a garden can supply. A few years ago, a friend of ours from a distant land, came to join as in a journey of three hundred miles. It was in the last month of enummer, when the Fruit Garden yields its simple huxuries in abundance, and he was delighted with the treat. We remarked to him however, before we see out, "Now is the time to feast-nothing of the kind can be expected tillour return." Did it turn out so? perhaps some of our readers would ask. Exactly-to

listrict through which we passed, but we saw it not. hough we shared the hospitality of many noble friends n cosy circumstances.

When we planted our Fruit Garden, we had not diected our attention to the position in which the different kinds of trees could be most advantageously placed; int we soon discovered that the nectarine, the plant, nd the apricot, ought to have been set as near to the ing-trough as possible, on account of the Curculio. We have already remarked that in the remoter parts if the inclosure the fruit was more injured by this insect, though we may add that in a small garden this urrangement will be of less importance.

The position for particular, trees will be found of great consequence however, on another account whether the garden be large or small. Until our countrynen generally acquire a higher-toned morality; and shall consider robleng a garden as mean as to rob a the letter. There was fine fruit without doubt, in the been roost, it will be safer to set the late years or quin-

cos, on the cutside. The rich colors of ripe fruits nre very attractive; and the further we can place them from the gaze of animals who have no higher aim than present granification,-the better. On this account a door-yard should not be a fruit-yard, except for such sorts as may be gathered green, and repend in the house. We have no knowledge that thieves in this quarter look far enough a-lead to steal us rip quars, or winter apples.

Cherry trees should be set in the rear of the nectarines, plums and apricots, but still as near to the hogtrough as possible, after these kands are accommodated. We consider the hog-trough indeed, as an important appendage to the Fruit Garden. Where hogs cannot be admitted however, poultry may in some measure supply their place. If both are excluded, then use the spade and the hoe-slake the Curculios from the tree on sheets spread for the purpose, and show them no quarter.

Cherry trees should also be set near together-that is, not scattered in different parts of the garden, on account of the birds that come to plunder. A leisure half hour may be well spent on a seat from which shot may reach them. We know indeed it is the fashion of the day to extel their services, and to deery every attempt to lessen their numbers; but people who are carried away by such funcies, cannot have duly considered the subject.

The cedar bird has been called "a friendly, useful, innocent visitor;" but we have yet to lemn in what respect he is better than a crow or a rat. He may deyour insects in some districts, as it has been asserted. but not in ours. We have carefully watched him, in many years, and have even had his stomach examined to see what he lived on, but nothing was found in it but fruit. He comes as a plunderer, and deserves a plunderer's reward.

The Garden and Shrubbery.

In the open ground at this dreary season, flowersthe most tender part of the plant-would be sadly out of place; and therefore ornament can only be expected in the bark, the leaves, or the fruit.

The bark of the strip.d maple is generally admired. White streaks on a ground in which shadings of red or green occasionally prevail, always meet the eye, except where the red becomes clearer on the twigs and with increasing intensity envelopes the buds. The green on the contrary, is seen on the old bark; and more especially on old trees, which are sometimes six inches in diameter.

The red domegod (improperly called the red willow) is often ornamental. Seedlings vary much however, in regard to brightness; and not one tenth of those we meet with in the swamps ere snitable for transplanting. Though naturally a sub-aquatic, it does well on common soil; for through winter and the early part of soring when its back is the brightest, the ground is sufficiently wet.

The poplar-leaved birch has a white bark, though it is several years before the small branches assume this color. The leaves are delicate, and the whole tree is showy and ornamental.

The golden ash has fine yellow bark, changing from a greenish color early in autumn. This tree is considered a variety of the English ash (Frazinus excelsior) and its height in London is marked thirty feet. We have one of very vigorous growth about eight feet high, much admired.

Evergreens are admirably adapted to embellish a howestead in winter. Among these, the silver fir of Europe will stand in the front rank. It is nearly allied to the balsam fir, but has a larger leaf more distinedy striped with white on the under side. Both are very beautifid.

Next to these we should place the white pure which therefore be provided with a rule above as well as beoften becomes the tallest tree of the American forest, low the fire. where it has room to scread however, the rich solley green of its foliage, is more distinctly visible and orname næl.

Not far behind, is the white spruce, growing naturally in swamps like the baleam fir, but soon becoming reconciled to a dry soil. Two or three years in a nursery, give it a new set of roots; and when these are acquired, with reasonable attention, it is almost sure to live when transplanted. It also attains a great leight in favorable situations.

The Norway fir from the north of Europe, famous for its timber, is another fine evergreen with darker folinge; but perhaps not darker than the black spruce which is often found in mountain land and a cold soil. Near these may be placed the Chinese and American arbor vita with fingrant leaves; and the English year, remarkable for its duration and slow growth.

The Scotch fir, so called is properly a pine-that is, it has two leaves in a sheath. This species and the Norway fir, supply the deal boards of England.

But we have not forgotten the hemlock sprace. Men who are long employed in clearing land, are apt to consider every tree that stands in their way as worthy of death; and we apprehend that but few arboricultuists can be found in this class. Against the hemlock, the prejudice has been unusually strong. Without stopping to inquire on what it rested however, we shall express our conviction that this tree deserves a place among the finest evergreens when it can clothe itself with foliage from the ground. It bears training well; and the most beautiful hedge we have ever seen was of hemlock.

The common Juniper retains the green of its leaves in winter much better than the red cedar; and as it inclines to grow low with prickly leaves, it might serve for a hedge on the top of a ditch. It may easily be increased by layers or by seeds.

An evergreen, little known in this district, but remarkable for its beauty is the tree box. It appears to ngree with our soil and climate; grows densely, and a hedge of it, in front of a mansion would be superb.

In sheltered situations the fruit of the pyracautha retains its fine scarlet; but the severer blasts of winter destroy its color. On the bush crunberry bowever, these have no effect; and its clusters hang in all their brightness till the commencement of mild weather in the spring.

No shrub however, is more beautiful in winter on account of its fruit than the burberry; and none is safer from the depredations of birds. The berries are very acid. Many people have been deterred from planting it because of its supposed influence in blighting wheat; but this charge is proved to be unfounded. It has neither philosophy nor fact to support it,

Items in Domestic and Rural Economy.

To prevent horses, which are disposed to break their bridles, from doing so, place a pad within the strap that passes back of the head, the inside of which is lined with cotton or linen, and in which the points of three or four very sharp nails, pointing inwards, are concealed. When the horse draws hard upon his bridle, these prick him, and cause him to desist.

Stoves, for heating rooms, will throw out much more heat for the amount of fuel consumed, if, as soon as the wood gets well burning, the draught below and whore the fire, is closed. Far less heat is swept by the draft up chimney. On this principle, the blacksmith increases the heat of his forge, by sprinkling water upon the ignited coals, and preventing the flame from rushing out; and also, green wood on a common fire often prevents the rapid escape of heat up the channey, for a similar reason. All stores should Working Man's Home. - Eus-

Cracks in stoves and stove pipes are readily closed by a paste made of ashes and salt with water. Iron turnings or filings, sal ammoniae, and water, make a brider and more durable eement.

An excellent coment for broken glass, is made by grinding together lineced oil and white lend, to the consistency of a paste.

Nails are prevented from rusting by heating them, and dropping them while bet in oil.

Gates work much better for baving the hinges and latches greased. To keep them so, bore a hole, and plug up a quantity of grease in the gate post, where it may always be at hand when wanted.

Ice, on door steps, may be easily removed by throwing sait upon it, which will cause the ice to crack to nieres.

Cattle should be duly supplied with salt during winter, which is often forgotten.

Hay and outs may be economized by feeding horses ruta bagas, which they soon learn to eat.

An excellent and cheap paint for rough wood work, is made of 6 pounds of melted pitch, 1 pint linsced oil, and I pound of brick dust, or yellow othre

Cream which churns with difficulty in winter, if too your, will speedily produce butter by the addition of saleratus. If too cold hot water may be appliedbut it is better to warm the cream and keep it so. If the thermometer shows 700 of Fah. it will soon come. When minute granules of Lutter appear and it does not gather readily, throw in a piece of butter, and it will "lump" together in a trice.

Stumps in fields are made to rot, by placing earth upon them.

Farmers' Homes and Children.

A much esteemed correspondent has sent us a reply to the communication of Annette, in our last; but we think it is written under a misapprehension of the subject; and, as it is not very courteous withal, we are compelled to decline its publication. The writer styles himself "an old home-spun practical farmer," and says that he "has neither been an indifferent nor a disinterested reader of what our columns have from time to time furnished on the subject of the education of children, with a view to qualify them for the business of practical farming." He admits that "Annette has detected and exposed a crying evil, and pointed out the remedy;" but still it appears to him to be "nll moonshine," and he is fearful that the expense of "making home attractive," according to the suggestions of Annette, will lead farmers into the "frightful swamp of bankruptcy, want, disgrace, and misery."-We admit that there are many farmers in our land, who cannot afford the necessary time or expense for the pleasures and comforts spoken of; neither can they afford to educate their daughters in a boarding school; but at the same time there are many others who can well afford these expenses, and are not compelled to spend al. their time in toiling for the necessaries of life. It is a great mistake however, to suppose that much expense is necessary in order to make a dwelling pleasing and beautiful. It need not "all be set up or established upon the most modern and fashionable foundations." On the contrary, almost any man who has the taste and disposition, can find the time and means to surround his home with most of the attractions mentioned by Anneite, without any danger of bankruptcy or

We cheerfully comply with the request of our correspondent, in publishing the following article from the National Ægis; and, in return, we ask him to read the article on the next following page, entitled the

From the National Ægis.

To the Young of both Sexes.

It is of great importance that persone, in early life should prepare themselves for the part they are to act in society. There is a strong desire in both sexes to rise to respectability, and this is highly commendable: but many persons err in their attempts to gain their

A principal cause of the failure of young people to reach the object of their desire, is, the attempt to get In this way, they often sim at rich without labor ! an object without the means to accomplish it. Thus, or many years past, young men have entered on business with borrowed capital, to an extent never before known: they have calculated upon the profits which were preenrious; they have neglected to calculate the chances of sudden declensions in business; they have entered upon house-keeping, with extravagant purchases of lurniture; they have mostly fuiled, and re ures and the distress which have occurred in this country within a few years exceed every thing probably that ever before happened.

Young friends, learn wis:lom. It is not the order of Providence that mankind should have blessings and prosperity without labor. It is best for mankind that prosperity without labor. It is best for mankind that this should be the order of things; good moral habits are formed by industry; sudden acquisitions of property end to prevent the formation of such habits, they are often ruinous to morals. Modernte acquisitions of property generate good habits—the babits of prudence, of foresight, and correct calculation of what is practi-

The desire of reaching a respectacle standing in life has led many to renounce labor for books, with the expectation that they can live by learning. But the number of persons who can gain subsistence by teaming is comparatively small. The professions are full to overflowing; unless that of the gospel ministry may be excepted. By far the greatest part of mankind are destined to labor, without which society cannot be supported.

In forming a plan of business for life, therefore, the first requiate is to determine the course to be pursued, the occupation which is to be followed, and then to devote all possible attention to gain the qualifications essential to success in that occupation. In this preliminary to success, persons very often make great suc-

If a young man is to be a farmer, he must begin when a boy, and continue in that business. He must gain knowledge by experience, and muscular strength by laber. Books and learning will never make farm-

ers. If a young man is to be a mechanic, he must begin his art when young, and persevere in it, and be theroughly master of every part of his business. Books and learning cannot supply the want of labor and expersence. Farmers and artisans cannot be made in the school house or college. Most of the studies cultivated in our sem naries of learning, however useful to professional men, are not applicable to all the common occupations of life. This the writer knows by experience.

It is with female as with males hey desire to live without labor, and thousands of them fail of obtaining a good settlement in life, by niming at what cannot be obtained. Hence, the high echools often become nureries of old maids. The daughters of wealthy men. and such as are fortunate enough to marry men of influence, may be justified in devoting many years to languages and sciences which they are never but how small, comparatively, is this number !

Most of the people of this country possess small estates, which, when divided, will not support their children. Hence it often happens that children, whom the lather can support in genteel style, fail, at his death, of the means of subsistence. Hence, probably, no country presents so many instances of young persons of both sexes, educated above their condition. as the United States. Many persons and families, within the knowledge of the writer, have been ruined or doomed to struggle with adversity all their lives from this mistake. They begin wrong, they expect to be gentlemen and ladies without the means of supporting themselves in such style.

Equally mistaken are many of the daughters of poor families. Some of them enter manufactories, where they get good wages, and dress in rich attire; neglect to gain a thorough knowledge of housekeeping, the very knowledge they most want to insure

for those who are accustomed to do all the work of a family, and to make an economical use of money. Such wives are useful maxibatics in supporting a family; whereas such as are not accustomed to housework often check or prevent the prosperity of their husbands; sometimes they run them.

Much less do men, in the ordinary occupations of life, seek for females who have studied geometry, algebra, rhetoric, zoology and the higher mathematics. Such sciences are of no use to them in discharging their duties, as wives, mothers or housekeepers; they are soon forgotten, and it not, never used; nor do they ever become subjects of conversation. In the course of thirty years observation, the writer has never known a female thus educated to make the least use of such sciences; not even in the families of the ailluent. Books on such subjects, read in after life, for the purpose of gratifying curiosity or enlarging the knowledge of the works of nature, may be useful for these purposes among those who have lessure, but not being necessary to qualify termiles for these duties, should not be a part of school education.

In no particular is the folly of females more remarkable than in their estimate of labor. They seem to think it disgracing to labor in the inmily as domestics, when they will labor in manufactories without objec-They do not consider that the proper sohere of females is in the family, and that they cannot fill that sphere without serving an apprenticeship, and they should no more disdnin it, than young men should disdain to be apprentices to mechanics. The young of both sexes must be sabordinate to those who are older, for it is from experience and knowledge of older persons that they are to qualify themselves to be respectable masters and mistresses themselves. Girls who have no property should seek to be domestics for two or three years in respectable, well-ordered families, for it is in these they are to learn, not on'y to do all kinds of work, but to improve their minds and their manners. It is the best, if not the only chance which many of them can have, thus to improve, and become respectable mistresses of families.

All young persons should have a competent English education, and for this purpose, they should have access, not only to the Bible, but to the best writings of Watts, Addison, Cowper and Mrs. Moore. In wealthy and well conducted families the poorest girls may have this advantage. By avoiding do nestic service, they deprive themselves of advantages which they can never have in any other business. The pride of females often condemns them to poverty and a single life. Many and many a female fails to gain a comfortable settlement in life, merely because she is too proud to submit to the apprentice-hip of learning the duties of a house-keeper in the character of a hi-FRANKLIN. red domestic.

From the Maine Farmer. Signs of the Times.

We sometime ago, under this head, made some remarks in regard to the change of feeling at the South, respecting a "indicious tariff" on certain articles. which do not now pay any duty, or but very little; such as silk, wines, &c., which may be considered articles of luxury, and not of necessity. We were not aware of trending on the political toes of either party -but it so fell out that we received sundry hearty kicks, from individuals belonging to both of them.

So mote it be, gentlemen; we have always been used to "more kicks than coppers" from our youth up, and this getting thumped from both sides of the way, is pretty sure proof that we are in the right. At any rate, one thing is certain, and you may all pout and make wry faces as long as you please, about it. You must have a tariff, and a pretty strong one too, or you must support your government by a direct tax. which do you like best ! When the last tariff was ndopted, certain articles were admitted almost or quite duty free, because it was alledged that they could not be produced in this country. Among them, as we be-fore observed, were silks Since that period, the experiment has been pretty thoroughly tried, and it has been found that we can produce silk here with ease, but the French, on account of labor being so much cheaper with them than with us, can sell cheaper than we can, and thus defeat up in the market. Very well this might do, if they would meet us on reciprocal grounds—that is, take our produce, or some of it, duty free. But this they decline doing. The song with them is-Free trade for us, and heavy duties for you.

The tobacco planters are getting their "blood up, and the following from the American Farmer shows

will meet and act with more union on a subject of such vital interest, to every son and daughter of the na-

THE BALL IS IN MOTION .- The Tobacco Planters are on the qui rire—to speak in plain English, on the look out. Their interest in Congress, if zenlously combined, is strong enough to make itself be understood-and if not strong enough in numbers, let it log-roll, as a last resort, with some other than can make it so.

The Planters of Charles County, Md , were to have held a meeting yesterday for the appointment of delegates to the convention.

The proceedings of a meeting in Dinwiddie, Va. will be found below, with some introductory remarks from the National Intelligencer. The Lynchburg The Lynchburg Virginian, alluding to the proceedings of this meeting, and remarking on the onerous duties levied on Tobacco, by foreign powers, observes:

"Other nations are depressing our productive interests by monopolies and onerous restrictions. In reciprocity for all which we have pursued the most liberal policy-the luxuries of foreign lands have entered our country almost duty fice. We should no longer submit to these oppressive duties. It is time for us to obtain their repeal, or counteract them by similar 1estrictions. If we cannot by our example induce other nations to adopt the enlightened policy we have pursued, why we have no alternative left but to try the retaliatory system."

Massachusetts Statisties.

From the returns of the valuation assessors of the several towns in the State of Massachusetts, as published in the Boston Atlas, we compile the following interesting statistics; Population. - Whole number of males and females

610,814, being an increase in ten years of 129,292.

Polls.—Rateable polls of 16 years and upwards 172,227, male polls not rateable 12,065, ditto paupers

Buildings .- Whole number of dwelling houses in the State 96,227, shops and stores 23,019, barns 63,806, other buildings worth over \$20 and upwards 26.573

Distilleries .- Whole number 78, breweries 15.

Mills.-Grist 757, snw 1371, paper 98.

Manufactories .- Splitting mills and nail machines 424, iron works and furnness 133, small arm manufactories 12, carding machines 651, fulling nulls 181, rope walks 64, glass factories 4, card factories 34, superficial feet of salt works 14.897.815. Cotton Factories .- Whole number 343, looms 16,.

638, spindles 624,540.

Woolen Factories .- Whole number 201, leems 3032, spindles 113,457.

Other Factories .- Bleaching 10, linen 2, silk 1, works for printing calico and silks 12.

Agricultural .- Tillage land 259,038 acres, the produce of which is, whent 101,178 bushels, rye 453,705, onts 1,226,300, corn 1,775,073, barley 149,004, hops 237,941 pounds, hemp 7 tons, flux 2, broom corn 580, upland mowing land 440,930 acres, the produce of which is 467,537 tons of bay, fresh mendaw land 184,822 acres, the produce of which is 135,930 tons, salt mendow land 39,305 acres, the produce of which is 26.203 tons.

Various .- Superficial feet of wharves 8,402,286. tons of vessels 498,057, ounces of plate exceeding \$23 in value 153,670.

Pride and Extravagance.

A slight exposition now and then of the way in which we "simple republicans" live, will do no harm; for the means of acquiring information as to our national income and outgo are not always within the reach of the people. The last senual report of the Secretary of the Treasury contains some information of much value to the general reader, and goes to show that we are not exactly the plain, calculating, moneymaking people, that some modern travellers have pronounced us. Our institutions, it is true, are republican, as they partake of the nature and spirit of our government, but society is the mere ape of foreign aristocracy, and we are as fond of our luxuries as most other people. "Hard times" is a stereotyped complaint, and the embarrassed condition of the country is made a great political subject. This is all right enough, the contending parties must have some weapons to fight with, else how would the conflict proceed? But while all these complaints were making, we last year paid to France and England, principally then a good sentiment. Young men of industry what they mean to do. There will probably be, ere we hat year paid to France and England, principally want wives that are good house-keepers. They do not long, a modification of the thrill system, and we trust the former, treesty-four millions of dollars for sitis, the different interests of the South and the North Grode Nap, Grode Rhine, Peult de Sout, and Tagoni shawls, a large part of which consisted of arties used merely for ornament.

In the younger days of our beloved country, the merican girls did not dream of such things as Tagoni shawls-their mantles were the products of their vn spanning wheels and looms—but with education ones refinement, and of course its motely cousin, shion. Muc than two millions were paid last year r silk and worsted, seven millions for worsted stuff orn and straw hats and bonnets, being about twenty-re millions of dollars for the ladies alone! whose mity and nice ideas of fashion must be gratified .or are the gentlemen without their share of foreign xuries. Three millions for wine, being six millions gallons, and one million for cigars-the quantity illed away being ninety-three millions! Including offee, tea, spices, spirits, &c., amongst the luxuries, ore than fifty millions of dollars, nearly one third of ir entire imports, expended in iuxury and extrava-

ance. Our citizens have lost millions of dollars in endeaoring to establish the silk business in this country, as e great morus multicaulis mania will prove, yet asequently we are encouraging foreign manufacres to the utter ruin of our own, and acquiring a ste for foreign luxuries, when we would most assuly display more patriotism, were we to advance the oducts of our own industry. The St. Louis Gate, in a very sensible article on the subject, remarks "It has generally been considered the most just and asonable policy to tax the luxuries of life, if taxes ust be laid, while, by our present tariff, we tax the cessaries of life and introduce luxuries free of duty. e tax the poor man's salt and clothing, and release e rich from a tax on their habiliments. We give aployment to foreign silk growers, and reduce our rn to beggary. Is this in accordance with the gene of republicanism! Not certainly, as we under and it. In our trade with England and most other tions, our exports pay for our imports, but France ngs us in debt ten or twelve milliens tunually. llimore Ocean.

the Workingman's Garden and Grounds.

Tall thriving trees confess the fruitful mould. The redening apple ripens here to gold;

Here the blue fig with luscious jnice o'erflows,

With deeper red the full pomegrant glows," &c,

Hower's Odyssey, book vii.

t was certainly an exaggeration of Mrs. Trollope av, that no one could ever hear two Americans talk minutes without the word dollar. So Bonaparte iggerated when he called the British "a nation of opkeepers." Be it so. Carricatures often tell the th. Even the hideous concave mirror, though it ggerate ever so much, shows me some grand blemes in my face. I have tried the experiment, in king the crowded streets of our cities, to catch the minent word of the passer-by. The catalogue is ited, and consists of such as these, "Ten per "-"doing a good business"-"money mar"-"operations in property"-"exchange"tock"-"thousand dollars"-"credit"-"profits" 'fortune," &c. &c. f a man is so practical that he will not wash his e without "value received," I entertain no hopes

oringing him over. I have no purchase for my inument. Now cleanliness is a sort of decoration; rative, perhaps, but the condition of all the rest.— atness follows very closely; a cleanly child is usualneat. The cleanly housewife is sure to produce in cottage a certain trim and symmetrical strangeat which gratifies the eye. This is neatness bud-ig into beauty. This transition ought to be seized on wherever it appears. The pleasant little chil-a who are yonder playing in the dust may be taught keep themselves clean, and then to be neat. ne path towards decoration. Taste needs develop-These creatures may be bred to enjoy ornant, and thus we may get a race of people, even ong the poor, who will begin to beautify the land. ve in the hope of seeing cottages along our multi-id and dirty railways, each adorned not only with a ite surface and a close fence, but with roses, pinks, ps, and all the pretty vegetable gifts of a loving vidence; gifts which our yeomanry have too much ished to green-houses and hallads.

The ways of adorning a house by rural aids are vais, and so well known as scarcely to need enumera-t. They may be adapted to the lowliest habitation

along our highways. And if but one provident householder will begin, we shall find that, humble as his habitation may be, he will soon be imitated by his neighbors. Fashion itself, the cause of so many folhes, may be brought in aid of virtuous enjoyment .-Let some working man make the trial, by bolding up before his mind rural decoration as a distant object.-Let him secure to himself a house and garden where he is willing to spend his life. Let him, as his means allow, have it tight and finished, and by all means duly enclosed. This is the frame-work; after this ensue the details. Let him learn the economy of a little timely paint, and of a fence or hedge which will withstand the assaults of wind and beasts. From day to day, as he may be able to snatch a moment for breathing the fresh nir, let him remove unsightly objects and make an entranec upon positive ornament .--How easy it is to set out clumps or rows of trees, for shade and fruit, flowering shrubs or evergreen hedges! How agreeable to the wife and little ones, to be called out to join in dropping the cheap flower-seed or training the luxurant vine!

Among these ernaments, the highest rank is due to Gardening; including in that term the rearing of valunble trees. Children should be early taught that when they set out a fine tree, or insert a graft, they are doing a favor to posterity, and beginning that which shall continue to make others happy when they are in their graves. It has always been pleasant to me to see the house of the industrious citizen embowered in flowering vines and trees. And on Saturday evening, n season when so many forsake their work only for the porter-house or the tavern, the man who possesses such a retreat will have a strong inducement to seck his delightful home, and meet his little household among the smiles of natural scenery.

There are many very precious maxims of life which need to be pointed out; they are overlooked by the mass of the people. Once indicated, they are believed and embraced. Among these in the tollowing:—
Simple ornament kinders no good use. The watch runs as well in a comely case, as it would in a deal box. The draught is just as savory out of a chased tankard. And every good of household life is mumpaired by nestling among green foliage, climbing honeysuckles, and parternes of flowers. I long to see this acted upon by our people. I long to see them snatching a few hours from the noisy throng of idlers, and the delirious mirth of the bar-room, and spending them on the little innocent decorations of humble but delightful home.

The time required for beautifying a house and enclosure is really so little, that it scarely admits of being brought into a calculation. A few minutes at daybreak, in the spring and autumn, will in the course of a year work wonders. A few snatches of time after labor is ended may be spared by the busiest man. It his work has lain within doors, or has been of the se-dentary kind, a little exercise and air, enjoyed in pruning and trimming his vines, will be restorative to his health and spirits. This is better than mere repose .-Nature abhois a vacuum of employment. Is not this positive gain? Health is "the poor man's riches;" that which conduces to it is worth more than money. Even those who are athletic, or who work at trades which give their constant motion, do not the less need something of this sort. It is not mere muscular exertion which preserves and restores health. may be great bodily effort with no better result than fatigue. What every man requires when the day is done, is gentle recreation, something between work and play, which shall break the train of moody thought, repair the waste of nervous elasticity, and put the jaded mind in good humor with itself and others.

When the artizan, after his evening repost, goes out to water his flowers, every thing he touches is his own; and nothing so much his own as the trees he planted or the shades he gathered. He is refreshed and tranquilized, and grows into the love of home.— These pleasures are mightily increased, when he sees around him his children partaking in his toils and joys, and cheering one another with the merry laugh to and cheering one another with the merry langh to work or sport; while the wife's voice, heard within, as she sings contentedly over the cradle, adds a lovely music to the scene. This is a picture, of which the original may be found in many a poor but happy family; would that it were so in all! Under such shades as these, domestic quiet loves to dwell; and in such a spot religion finds its sanctuary.

Contrast with this a ease which we are often called to witness. The mechanic or laborer has worked hard all day. At the close of his toils he turns his face homewards. But he has not provided or cherishcivilized man, no less than to the villa or the char. Nothing but love for domestic beauty and ordi-ty tact are required to rear a thousand tasteful abodes ment of taste has ever soltened his spirit. It has been

too much his practice to pass his leisures hours elsewhere. He feels the need of some relaxation. He is langual from fatigue, and sullen from the disgust of labor. In such a condition he is easily attracted to the bar-room. There, and st the odors of liquor and tobacco, he forgets his previous listlessness and anxietower, the logicis and previous indicentees and anxiety, to become the vectim of an unnatural and dangerous excitement. The glass, the jest, and the song make the evening fly swiftly. Late at night he wends his way home, it not drunk, yet humbled, discontenteed, and previab. No children greet him with their average leave, the prefered him even. joyous laugh; the neglected little creatures are asleep, and the sad wife is awake only through anxious expectation of her husband. Am I extravagant in tracing much of the misery in such a case to the want of taste for those little things which makes one's home desirable? As a general observation, I have never seen idle or proligate sons issuing from within the cottage paling which has been adoined by their own infant hands. And, on the other hand, it would require a storcal love of virtue for its own sake, to make any youth love the foul, smoky, fenceless cabin of a thriftless father. Sweeten home, and you close nine out of ten doors to temptation .- Working-man.

In May, I hatched a lot of silk worms, numbering about 6,000; fed them on the White and Black mulberry; after the last moultin, I lost about half of them by crowding them too thick upon the shelves and being unable to ventilate the room in three as hot days as we have had this summer; but the remainder wound about one bushel of cocoons of a fine quality, which st the present price, would pay at least \$4 per day, including all the time in feeding the whole. - Alb. Cul. C. M. L. A.

LACONIC ADVICE. - Mr. Hillyard, who for twentyshire Farming and Grazing Society, the annual meeting of which was held on Wednesday, in presenting a prize cup to Mr. J. C. Elliott, gave him the tollowing laconic piece of advice:—'Now, young man, take this cup, and remember always to plough deep, and drink shallow.''—Eng. paper.

PLOUGHING .- The whole series of furrows on an English statute scre, supposing each to be nine inches wide, would extend to 19,360 yards; and adding twelve yards to every two hundred and twenty for tho ground travelled over in turning, the whole work of one acre may be estimated as extending to 20,416 yards, or cleven miles and nearly five furlongs.

Apology for Cultivating Flowers.

BY MRS. SURA SWITH

I deem it not an idle task. These lovely things to rear, That spread their arms as they would ask. If sun and dew are here-For simple wants alone are theirs. The pure and common too-The bounty of refreshing airs, The gift of liquid dew.

And they return for every ray, A gayer smile and look ; And greenly as the clear drops play, They murmer of the brook; And thus our thoughts away they lure, Where woods and waters gleam. And mountain airs are strong and pure. And sing the hird and stream.

Frail, grateful things! how fondly they The nurtured leaf outspread. And more than all my care renays. When from its folded hed Some pink or crimson blossom press To theill me with delight. To fill my very eyes with tears. Its beauty is so bright,

Nav. 'tis no idle thing, I trust. To foster beauty's birth. To lift from out the lowly dust, One blossom of the earth-Where barrenness before had been A verdure to disclose. And make the desert, rich in sheen,

To blossom as the rose. (Ladies Companions

Early Importation of Sheep.

"A Subscriber" asks for information respecting the Sneep imported into this country from Spain, by Col. Humphrey, of Connecticut, "40 or 50 years ago"-particularly as to where, or from what flock they were obtained.

We have looked over a large number of agricultural works, but find no definite information on this subject. The most that we can learn is, that in 1805, or 1806, Col. H. imported about 100 Merino sheep from Spain. They were said to have originated from the same breed as those imported into this State from France, a year or two previous, by Chancellor Livingston, but differing from them escentially in their character. Those from France were longer, had straighter legs, longer necks, and bodies more barrel shaped. Their wool was equally fine, but somewhat longer, and the sheep were more delicate in constitution. Those from Spain were short legged and slab sided, with short necks heavily dulapped; the wool fine, but short; constitution more hardy than those from France.

If any of our readers can give the particular information desired, we should be pleased to have them do so. In the mean time perhaps the above may be of service to our correspondent - Eus.

Post Masters

Have very generally assisted us by obtaining subscriptions and remuting money. For this they have our sincere thanks, and deserve the thanks of the community at large. We trust they will see good results from the circulation of the paper in their towns, and that they will feel disposed to continue their efforts in our behalf.

The Public Press.

We are under great obligations to many editors of newspapers who have published our Prospectus, or kindly noticed the New Genesee Farmer. we will continue to send it without asking an exchange; and if they desire it sent to a friend also, we will cheerfully add the name to our list. (Those who have not done so, but feel disposed to aid us, will confer a favor by inserting the prospectus below.)

Elitors of Agricultural, Scientific, or Literary, papere, who generously give us an exchange, will please

necept our sincere thanks.

THE NEW GENESEE FARMER.

The Cheapest Agricultural Paper in the Union-Only 50 cents a year, (in advance.) 16 large pages monthly, with cuts. J. J. Thomas & M. B. Bate. DAVID THOMAS and others, assis-HAM, Editors. tants. ONE HUNDRED CORRESPONDENTS.

The flattering encouragement which the New Genesee Farmer has received during the past year, has convinced the proprietors that the paper can be sustained in its natice soil, and at its economical price : and while they express their gratitude for the assistance they have thus far received, they would now, with renewed confidence, appeal to the friends of agrienture in behalf of the Second Volume. is so well known, and so highly approved, that it is unaccessary to speak of its character, further than to say, that it will not suffer by a comparison with any other paper of the kind in the United States. Each successive number has shown an increase of talent and errespondents. It has received during the past year, original communications from ONE HUNDRED WRITERS, most of whom are well known practical armers. It also contains the most useful selections from other agricultural journals, reports of the markets. &c.

The object of the New Genesce Farmer is to advance the great interests of Agriculture and Horticulture-to benefit the community in general, and farme-s in particular. Experience proves that it is well calculate! to promote this object; and therefore it is the dary of every friend of improvement to extend its sirculation, in order that its influence may be felt throughout the agricultural community.

The friends of Agricultural Societies should espe-Life thrend3 of Agricultural South As should expended the subject, and get their minds interested in their professing they will not act efficiently for its advance- Roots, Double Dahlies, &c. &c.

The Sociaties formed last year in Western New York, and their fine exhibitions, have already given a new impulse to the cau-e in this rection of country; and it is confidently expected that much more will be done the coming : ca-cu.

The 2d Volume commenced Jan. 1, 1841. LF All Postmasters are requested to act as agents,

and remit money to the publishers. Address, BATEHAM & CROSMAN.

Rochester, N. Y.

ENGLISH MARKETS.

The la'est news from England, dated 1th Dec. is of but little importance as it respects the Markets. The Money Market was said to be somewhat improved and Cotton a shade higher. The duty on Wheat was 21s and per quarter, and on Flour 14s 10d per bld.

Laxyon, Duc. 2.—The Corn market keeps declining a this week's average of English wheat as 60s per qr. In Flour, searcely any thing doing; we quote it manually 30 to 33s duty paul, and 55 to 25s in bond. Satted index have declined

scarcety any thing dount, we quote it nominally 30 to 33 daty pend, and55 to 25 in bond. Stated hades have declined by per lit; dry anc maintained. Lavermont Woot Markitt, Dec. 2.—Scotch: A fair demand was felt for most classes of 8 often this week, and the race previously obtained were steady supported. A gent spring inquiry from the United States would materially addition to the humbers of the trade. Our forecast would materially addition to the humbers of the trade was somewhat for sketch is week, and a tole above an extension of the states would materially additionations to the states would materially additionable to the states when the states were stated with the states of t

NEW YORK MARKET-Dre. 22.

From a Grays, Act.—The receipts of Genesses and all other sorts of Flour through the Hudson are closed. The stock on hand is variously estimated from 25,000 to 300,000 bids. There is a constant demand and process rather staffen. The sales of Genesses are at §1.14 a §570 commonly analysis. sales of Genesice are at \$1.94 a \$150 r commontrants; 500 Olmo in good order round and thi theopy, sold our satisfact at \$1.06, Witchigen \$4.85, theny brands of Genesic and Olio range from \$5.25 to 5.75. Some sales were made of Brandwine Flour at \$5.30, and of Genesicown at \$5.25. Specified States and Common States and Common States are not sold sales were made of prime Chica Wheat at 167 ets. By General States are an of Southern new at \$2.28, with oil Southern Lord and Southern new at \$2.28, with oil Southern Lord Southern new at \$2.28, with oil S

Monly Marker.—There was a profity large business trans-Movey Manker, — There was a preity large business trainstel at the Stock Exchange, and prices generally well sustained. United States Bank was sold at 65, eager 30 days. Delaware said Illusion weart in §2. North American Trust do. §3. VickSourg Bank do. §3. Canton Company down §2.—Paterson R. R. nu §3. New Jessey R. R. ho. §3. Stommyton G. R. do. §4. Hartem down /. Stock States (A. S. Stock Exchange on Philadelphia sold at 9-§2, and §2000 do.

at the ner cent

Bull Indiana bonds sold at 74 for next week.

\$2000 Indiana bonds sold at 74 for next week.
The Philadel, has Banks have not died to the parties making the loan, that they are in readines to receive their portion of the two and a half millions, and issue Post Notes

fund of the two and a hard manous, one issue Post Notes fortiwith.

The Richmon I Whig of Tuesday says... Money matters are tight this week, and will centometral e-o for some weeks to come. Testomats will be comparatively small until the yearly reports of the Banks are mide."

PRICES OF FLOUR AT DIFFERENT PLACES.

Pulladelphia 4 15 a 4 5 Brisk. Ba'timore 4 75 a 5 00 Richmond 4 87 a 5 00 Dull.	1.
Battimare	
Alexander 4 50 a 4 ml	
Cincinnati	
Wilmington 4 65	
New Orleans 4 50	

CINCINNATI PORK MARKET.

Up to Dependent 16th, the whole maker of loops sold in its market was 35.600. The drovers, generally the packing act own park, having paid prices to pre-dediction seeling it rices than \$4.50, and the packers offering only from \$1. their own pork, to \$1 25.

ROCHESTER MONEY MARKET,

Specie	Eastern Funds			par
Treasury Notes 1 prict, prem		9	a	dis
Pastern Braf.s 12 " do.	Himmis	10	a	do
	. I Thirte I States	1	a	do
Olao 8 a do.	New Jersey 1	nar	a 5	
	Crunda	4 .		do
Marvioud 7 a do.	I Susp'sn Bridge	4	a	do

MOUNT HOPE GARDEN & NURSERIES, ST. PAUL STRIET,

ROCHESTER, NEW YORK.

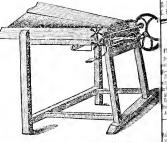
Gardens laid out, and Gardeners furnished on reasons notice.—Persons requiring information on any subject ec-All orders, letters of inquiry, &c. mus. Ie addressed (pe

All orders, leiters of inquity, we, masses of various expand directly to us.

Trees, Prous, &c., will be carefully packed, to that the may be curried to may fire or the country on is feed, and pacaces will be marked and shapped as may be designated in 1

Persons with whom the proprietors are unacquainted, requested to give a satisfactory reference, or name some poson in the city of Rochester, who will gonrantee the property of th Rochester, Dec. 1, 1>40.

TIMOTHY SEED WANTED, At the Roch



CILSON'S STRAW CUTTER. -This much has been fully tested by a large minher of individur That leen tally tested by a large mamber of individual is pronounced decidedly superior to any other of kind—They are for sale at the Seed Store.

ROCHESTER PRICES CURRENT.

CORRECTED FOR THE NEW GENESEE FARMER, JAN. I, 1841.

WHEAT, ... per bushel, ... \$

75 a \$

75

6,00,....

78

371..... 22..... 25 BARLEY,..... " 35..... RYE...... 50.... BEANS, White,..." 75..... 19..... 28 31 20 Common, " Dried, ... " 19..... 25 .. 75.... CIDER,.... barrel, ... 1,00..... 2.00 SALT PORK, Mess, ... " 11,00 ... 12,00 ... 12,00 ... 9,01 Heg,100 lbs.....3,50 4,00 .. EGGS.per dozen, 15.....183 BUTTER, Fresh, .. per pound 14..... " Firkin, ... " ... CHEESE, 10. 12] 6 5...... 75.....871 35..... 40 WOOL,pound,.. PEARL ASHES, .. 100 lbs.. 4,50..... . . 7,00 8,00 HAY....ton,... GRASS SEED, ... bushel, ... 1,80 . . . 1.50 CLOVER, "....." 6,00 7,00 . . .

Havinge,—After several works of unusual dullness band using, we were, a few days since, favored with a fall of snow, and now the gliding sleebs, with merry fe make OH Winter appear agy and cheerful again, and p pare us for a "happy new year." Business has greatly vived; and although there is, as usual on "pay day, although there is, as the sum of the property of many days and the property of many and the property of the proper

bulk, (at Wheatland) 3,00.....

FLAX,.... " " ...

PLASTER, (in bbls.) per ton,

of brend. Whear is now brought in to a considerable extent, and price has advanced a trifle since our last. Flour remainst

Posk still comes in most abundantly, and sells at a rath

From some times an most amountary, our access at a rac-better price than last, month. The largest sized logs is self at §1 pr 100 Hz. Futurax has been very fine and abundant during the lie days, and sold real by at 0.107 cents per Hz. Eggs are vs scarce and deart; Green's have paid as high as 12\frac{3}{2} central

scarce and dear: Greens have paid as mgu as leg comer dozen for them during the past week. Crowns Serp legins to appear, but the price is not yet tablished. §6 per bushel have been poid for some small but



B. BATEHAM, F. CROSMAN.

Proprietors.

J. THOMAS. ZHOL VOL. 2. ROCHESTER, FEBRUARY, 1811. NO. 2. M. B. BATEHAM, Editors.

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lucation of Farmers' Children. English Murkets, New York Markets, Ruchester Prices Current.

The Editors.

In order that our readers may understand who are spons ble for the different editorial articles appearing this paper, we mention that those marked thus * are ritten by J. J. Thomas, Macedon, and those mark-us t by David Thomas, Aurora. M B. Bate-AM, Rochester, is the publishing editor, and is resarked.

To Correspondents.

Our acknowledgements are due to several new and duable correspondents whom we shall be happy hear from frequently. At the same time we hope ir old friends will not forsake us. We are glad to at old triends will not oursake us. We are grad to ad our correspondents generally willing to sign their ames in full. Should exteen it a favor if they ould all do so, especially when relating facts or exriments.

The First Volume.

We are almost daily asked if vol. I of this paper can had; and therefore state, that it is furnished, stitchl in a paper cover, for 50 cents. Postage, within the tate, 12 cents-out of the State, 18 cents.

Our Success.

hus far, fully equals our expectations; and we take is method to return thanks to the namerous Post asters, and others, who have generously aided us by taining subscriptions or remitting the same.

We have not time, nor do we deem it necessary, to nd receipts to all who remit money; but do so, when to practice thom.

desired. If the papers arrive, they may know that their letters reached us; but if they do not arrive within a reasonable time, we hope they will notify us.

Criefal persons are employed to enter the names and mad the papers, and great pains are taken to have it done correctly. We hope and believe there will not often be cause for complaint in fature.

Post Masters and agents in Canada, who wish to send us instructions respecting the direction of the papers, are requested to direct their letters to the Post Muster at this place; otherwise we are subjected to

Post Masters and Agents are particularly requested to write the name of the Post Office, County, and State. It is sometimes almost impossible to decide what State the place mentioned is located in.

Uncurrent Money.

Bills on solvent Bunks in this, and the Eastern States, are at par with us Canada, Pennsylvania, and New Jersey, are about 5 per cent discount.— Ohio, Indiana, Kentucky, and Illinois money, is about S per cent ; and Michigan is 123 per cent. discount.

We hope our friends at a distance will take pains to send us the best money they can obtain. We do not refuse any of the above, when sent us free of postage, and nothing deducted for commission; but the amount paid by us for discount during the year, is a serious item.

Subscribers in Canada.

Should remember that their Postmasters cannot frank letters further than the lines; so that we are compelled to pay postage on all letters coming by mail from This we do not mind, if bills not under \$4 are remitted; but on small bills, the postage and discount together, are too g eat a sacrifice.

Subscribers residing near the places mentioned be low, may pay their subscriptions to the persons named. Kingston-John Cheighton, (Chron, & Gaz. Office,) and CHARLES HEATH.

Port Hope-D. SMART, Post Master and President

Agricultural Society. Toronto - Lesslie & Brothers, James F. West LAND, and GEORGE LESLIE.

Hamilton-Samuel Kens. Merchant.

London-John Norval, (at News-Room.) In addition to the above, Postmasters and friends of the cause generally, are requested to act as agents BATEHAM & CROSMAN.

The Annual Meeting of the Agricultural Society occurs to-morrow, but it is thought that nothing more will be done than to elect officers. The strangements for the coming season will be deferred till it is decided whether the Legislature will grant any aid,

Hints for the Month.

Every farmer knows, that any suggestions for work at one time during winter, are generally applicable at any other time. We believe, therefore, that the best hint we can now give, is, just to turn back to the two last numbers of our paper, and read again what is there written. We do not of course expect you will find any thing new, especially if you are good farmers, (as we hope all our readers are, or soon will be,) but good farming, remember, does not depend so very much in finding out new things, as in making a good use of what we already know. So then, gentlemen, we hope you will excuse us, if we tell you pretty often same of these old things, if we can only help you Just remember what we said.

- I. About feeding cattle regularly, so as to prevent their fretting their flesh away;
- 2. Of giving them a sufficiency at all times, for the same reason:
- 3. Of providing good shelter for them;
- 4. Of supplying them constantly with good water; 5. Of keeping them rubbed clean, and plenty of
- good warm clean litter under their feet;
- 6. Of feeding them very often with salt;
- 7. Of cutting their fodder with a straw-cutter;
- 8. Of mixing their dry food with roots: and
- 9. Of keeping their stables ventilated, but excluding the cold wind from entering at the smallest crack.

Let pigs, sheep, and all other animals, be fed very much in the same way, (except that the sheep need not be rubbed or curried, nor the pigs kept in stables. though we think there is commonly a very great waste, both in the feed and the flesh of pigs, by suffering them to be so much exposed to the weather as they usually are.)

There a few other things we wish to remind our friends of during this month, such as trimming their thick-topped apple trees-procuring grafts of the very best fruit they can find, for such will grow quite as well as poorer-making their grafting plasters-pruning their hardy grape vines, before the bleeding season commences,-the sooner the better-treading snow around young fruit trees, to prevent the mice from eating the back, and destroying them. Also, cutting up the wood for seasoning, and for summer use; repairing tools, &c., as hoes, ploughs, rakes, wagon racks, barrows, cultivators, forks, shovels, rollers, as well as repairing and oiling harness; looking over apples in cellars, and removing the partly decayed; and keeping their eyes open to all things which need doing, and both hands ready at all times to do them.

And now, one thing more, and that is, let every farmer resolve, and resolve effectually, to conduct his farming operations a little (at least) better this year than he has ever done before. Cannot he do it? It is well worth trying, at all events, and if gone about n carnest, will be pretty sure of success.

Bamp Stables.

A correspondent of the Farmers' Cabinet states. that on taking possession of a newly porchased farm, his horses became poor, diseased, and incapable of labor; his cows became sickly, their milk diminished, their butter became bad, four lost their calves, two died of scours in spring, with other attendant evils. The dampness of the stable, which was boilt under large trees in a low situation and with a northern aspect. It was immediately torn down, and another erected on a drier situation, when, as was expected, all those evils vanished at once .-Stables made of stone, are more liable to this diffi-

Cheese are preserved from the fly by a coating of pyroligneous acid.

The Sponge Apple.

Some years ago, we set a graft on a young apple tree in the orchard, which now bears abundantly, and the fruit has become a general favorite; but the name under which we received it has been lost, and if any correspondent will restore it, we shall be much obliged. We subjoin a description. On account of its shriveling when long kept in an open bin, we gave it the prorisional name of the sponge apple-to be expunged however, when the right name is known.

Fruit above the middle size, inclining to oblong, but broadest near the base, slightly ribbed, some, three inches deep and three and a quarter in diameter. Eue in a narrow depression, closed. Stem very short-less than one third of an inch, in a broad but very shallow irregular cavity. Skin green, streaked and checkered with very pale red on the sunny side. Flesh greenish white, extremely tender, tart but excellent.

We have seen no apple that this resembles, in shape, in color, or in texture. The singular tenderness of its flesh reminds us of the Bellflower; but they differ in almost every other particular. The Sponge is more than five times as productive, and generally fair .-Like the former however, it should be carefully handpicked, and not allowed to fall from the tree, as it is apt to get bruised. It appears to keep well through the winter; and if barrelled or buried, we have no doubt of its remaining fresh and unshriveled till epring.

The Napoleon Pear.

In years past, we endeavored to cultivate fine winter pears; but when the trees came into bearing, it was found we had only been collecting trash. In every instance the fruit was left for the pigs; nothing fit for human lips to touch, was amongst them; and when neked if there were not good winter pears? we have had to answer ; we have read of them, but never saw

Well, at last we have found one; and some may be gratified to hear it. From a small tree marked Napo. laon, in bearing for the first time, we secured two pears; and about the middle of December, they were mature. In some respects they differ from Lindley's description, and some doubts still hang over their identity; but what follows, was exact :- "finally [the akin] changes to a pale green, when the fiesh becomes very melting, with a most unusual abundance of rich agreeable juice." They were the most juicy pears we have ever tasted.

We shall notice here, only one of those discrepancies: Kenrick says "It ripens with us in September." Lindley says "Ripe the middle of November, and remains in perfection several days." Onra ripened a month later.

Vator Box for Boiling Sap =- Inquiry.

Messas. Epitors-Having understood that there had been a Vat or Box used for boiling sap in making sugar, and wishing to see a description of it, I thought of making inquiry through your valuable paper; hoping you, or some of your subscribers, might give me the required information. I wish to know what would be the most convenient size and depth; how it is made, with a board bottom cover. ed with sheet iron, or with sheet iron bottom alone? If the latter, what would be the easiest way to make it water tight? If the former, will the sap boil equally as well? Also, whether they will take in sap as fast as a caldron kettle holding the same quantity, and the probable expense of one?

I would also like to know the quantity of Timothy seed required to the acre, to seed with Timo. thy alone, for mowing.

By answering the above, you will much oblige A SUBSCRIBER.

For the New Genesce Farmer, Watering Places -- Hoof Ail.

MESSES. EDITORS-In an editorial article in the December number of the "Cultivator," page 184, are remarks on the subject of watering eattle in winter; come of which appear to be objectionable. The sentiment to which I refer is, "that it is no disadvantage to cattle to go a suitable distance to water, but rather a benefit, as promoting circulation in the feet, and thus preventing diseases of the extremities."-The same idea is advanced in the February number of the same paper, page 22. And putting both articles together, we should conclude the "suitable distance" for cattle to travel for their water in winter, was from fifty to one hundred rods. And the advantage set forth is the exercise, which prevents what is called the boof ail.

"Now it strikes me very forcibly," as the judge says, that this course, both in theory and practice, is, to say the least, somewhat objectionable. It is the opinion of many, that cattle should not be compelled to go out of their yard for water; and the following among other reasons are adduced. If water cannot be obtained by cattle without travelling one fourth of a mile, they will many times suffer exceedingly for the want of it, rather than go so far for it. If good fresh water can be had by them without going out of the yard, they will drink very much oftener than in the other case, especially in cold weather. Again. The oldest and strongest cattle will generally go first to water. When they have drank, they return, and on their way meet others in the narrow snow-path, and of course drive them back. In which case, the youngest and most feeble of the herd will have much trouble and vexation in obtaing water at all. And again .-The amount of manure which is dropped, and for the most part lost, in such case is very considerable in the course of the winter; and it is by many farmers esteemed a matter of no small importance, that all the manure should be saved. Some say, even, that they may as well waste the food of cattle as the food of nlants.

And besides, when cattle go to a spring to drink, specially if the snow is deep, there will generally be great difficulty in reaching the water on account of the bank of snow and ice, unless they step into it, which cattle are very unwilling to do. I have seen many watering places where cattle, in order to obtain a drop of water, were obliged to get down upon their knees, and even then obtain it with the greatest diffi-

Neither do I believe the exercise of this travel of cattle a considerable distance to water, is of any advantage in preventing the hoof ail. But I am very strongly inclined to the opinion, which was advanced some time since by Gen. M. Brooks, of Mount Morris, and also by Heman Chapin, Esq., of East Bloomfield, to wit, that the "foot ail," or "hoof ail," as is calledis the result of the freezing of the feet. And it would seem more probable that the fect would become frozen by being first wet or covered with mud, than if they were kept dry and clean.

I believe, therefore, most sincerely, that if cattle are kept in a well enclosed, comfortable yard, with open sheds, or hovels even, for their protection from storms, where they can have free and uninterrupted access to good water, and plenty of salt; the yard kept constantly littered with straw, so as to make it alway dry, and the cattle put up every night in a stable filled to their knees with the same article, they will never have the "hoof ail."

I know that with many, a very strong prejudice exists against wells for the supply of water for cattle .-And probably, a stronger prejudice prevails against the labor and trouble of drawing it. But the expense of thus furnishing water for eattle in winter is compara- after year it is suffered to accumulate in immense piles

tively trifling; when, by an under-drain or any other contrivance, running water can be conveyed into the yard, so much the better. And in many cases this may be done with very little cost. But whers this is impracticable. I would pump water for all my cattle, horses and sheep, rather than compel them to go abroad for it, even though the distance did not exceed thirty rods.

There are several farmers of my acquaintance, whose cattle, if they have any water at all during the winter, are obliged to travel from one fourth to three fourths of a mile for it, and when they arrive at the spot where water can be found it is only to be obtained by them through a hole cut in the ice, which may be from six to eighteen inches in thickness.

I have a good spring of water about sixty rods from my barn, and for two or three winters drove my cattle to it every day, especially in cold weather. But since I have dug a well contiguous to my cattle yard and put a pump in it, I find much less trouble to furnish water for my stock in the yard than it was, even to visit tha spring every day to see that is was attainable there.-And besides, there is much less quarreling among the cattle, and it is so much more comfortable for them to drink from a trough conveniently situated, that I would not be without this appendage to my barn yard, even though it should cost me a hundred dollars.

And moreover, all the manure of the whole herd is in the yard, intermixed with the straw and litter thersof, in good condition for spring use, which is a matter of no small importance.

These, and such like, are the reasons why I am opposed to the practice of sending cattle from fifty to a hundred rods for water in winter, expressed, however, with due deference to the opinins of more experienced herdsmen.

WINTER PROTECTION.

I am aware there are many farmers who think it a matter of no consequence, whether our domestic animals are afforded any protection from the severity of the winter. It is probably true that most of them will live through the winter without it, if they are well fed. But are we not taught a lesson on this aubject from the habits of wild snimals? Not one of them, as far as my recollection extends, is without, or does not provide himself with comfortable shelter or home for the winter. Are we not told, also, from authority which should not be disregarded, that the merciful man is merciful to his beast? And where is the farmer, who, by a profusion of the blessings of a merciful Providence is made comfortable, can be unmindful of his domestic animals, from which he receives his food. and his raiment, and afford them that protection from the chilling blasts of winter, by which they are rendered comfortable not only, but are thereby rendered much more profitable.

Another very great advantage of stabling cattle, is the saving of feed from waste. I have seen farmers, otherwise respectable, throw their hay upon the ground when covered with mud and filth, for the food of cattle, horses and sheep, all in the same yard. In which case one half, at least, of the hay, was trod into the mud and water. But where cattle are stabled, each having his mess by himself, and then the younger and weaker animals unexposed to the encroachment of the older and stronger, consume their food with peacefulness and contentment, without annoyance and with: out waste.

And still another advantage to be derived from this course of a plentiful use of straw every day in littering the yard and stable is, the animals are not only kept dry and comfortable, but the straw is all turned to a good account. There are many farmers who seem not to know what to do with their straw. Year

about the barn, till it becomes a nuisance. But if it | got on June grass, but I fear it will make this comis daily scattered in the yard for the cattle to pick upon through the day, and used for bedding in the stables, it will thus become impregnated with the liquids of the yard and stables, and mixed with the animal manure thereof, and thereby the quantity of monure for spring use will be greatly increased. By such a course a small stock, say of fifteen head of cattle, seventyfive sheep, and three horses, will supply three hundred loads of good manure for the corn and potatoe crop the ensuing season. The straw, thus spread frequently in the yard, to some extent, is enten by the stock, the balance absorbs the juices of the yard, becomes saturated therewith, and its value thus rendered four fold greater than if it were applied in its dry state.

Yours &c. W. PARSONS. Thorn Hill, near Lockport, Dec. 1840.

Hoof Ail .- Its Cause and Cure.

Messas. Entrops-I observed in one of your papers, an inquiry respecting the cause of the disease called Hoof Ail, in cattle; and having paid some attention to the subject, I will cheerfully give you the result of my observations and the prevailing opinions here, which you are at liberty to publish, if you think they will be of service to any of your readers.

In the winter of 1836-7, this disease made great ravages among the cattle in this vicinity. Freezing of the feet was at first assigned as the cause; but many proofs to the contrary soon led to the abandonment of this opinion, and ergot was substituted as the mischievious agent.

I believe it is an opinion well established, that ergot of rye, or Secale cornutum, has given rise to gangrene in the human species. This circumstance and the similarity which exists between it and the disease under consideration, afford good reason for the belief that the causes may be similar.

Ergot may sometimes be found in large quantities in June or spear grass-whether it differs in its chemical properties from ergot of rye, I am not able to say, but presume it does not materially. This grass, as is well known, is apt to run out Timothy and clover, consequently it grows in excess in old meadows, and to the ergot growing on it, the disease is attributable. I have made many inquiries, but never found a case occurring where the animal had not been fed on hay containing it.

I will mention a few facts in confirmation of this opinion :- Mr. W. had 50 head of cattle fed upon hay mown from old meadows-the greater part of which was June grass. Only one of the 50 escaped the disease. A tenant upon the same farm, kept his cattle within 20 or 30 rods of the preceding, but fed them upon hay of marsh grass, and they escaped the disease. Mr. C., on the adjoining farm, had some June grass among his hay, but not so much as W. Only two or three of his cattle were affected. till the latter part of April, when, being out of hay, he procured some of W.; and in a few days rive of them had the disease. Another neighbor, Mr. B., had wintered his cows well, but in spring, being out of hay, he also procured some of Mr. W.; and before long, all that had eaten it became affected with Hoof Ail. Mr. K., on an adjoining farm, fed his cattle on straw, and none of the disease appeared amongst them. Dr. Stimson says he fed his cattle on hay containing a large proportion of June grass. Good attention was given them, but many became affected with the disease; and it continued to increase until he stopped feeding the hay, and gave them turnips and other food, after which no more Hoof Ail appeared.

I could mention numerous other cases, affording

munication too long to enumerate them. I will remark that in this section of country, this gra- had an abundance of ergot growing upon it last season; and consequently we may expect to see cattle affeeted with Hoof Ail again this winter. Indeed it has already made its appearance amongst my fittier's stock. He commenced feeding a let of hay found to contain ergot, to some calves, on the 2d or 31 of December: and on the 12th, 9 of them had the disease. We immediately changed their food, and cut off the points of their hoofs, so that they bled freely, They are now doing well. This treatment generally effects a cure, unless the

disease has been of long standing. The disease rarely affects the fore fect. I have never seen an instance, but have heard it asserted that it will sometimes occur. Respectfully yours,

St. George, U. C., Jany. 1811.

From the Cultivator.

Cure for Hoof Ail. Messns. Editors-Perceiving in your last number, sn inquiry respecting the Hoof Ail in cettle, I am happy to have it in my power to communicate one which never fails in affecting a cure in two or three days .-Blue vitriol, finely pulverized, and applied to the disensed part of the hoof, once a day for two or three days, is all that is necessary. In the case of a cow of mine, one application was sufficient, and I presume would generally snaver the purpose. The disease here is called by some of our farmers, "fouls," and by others, hoof uil. If the case alluded to by your correspondent, is the same disease, you can depend on my remedy.

Yours very respectfully, 11. E. HUBBARD. Middletown, Ct. 1840.

Period of Gestation in Cows.

One of the most satisfactory experiments relating to the subject, on record, is the one made by Earl Spencer, and the particulars of which are given in the second number of the English Agricultural Society's Iournal.

The table given, contains the results in the case of seven hundred and sixty-four cows, and the following statements abridged from the paper, will exhibit some of the most important of the details.

First. It appears that the period of gestation varied from 220 days to 313 days; or no less than 90 days, -Lord Spencer was, however, unable to rear any csives produced under 242 days. All under 260 days, and over 300, he thinks are decidedly premature, or irregular.

Second. As 314 cows calved before the 283d day, and 310 after the 285th day, the average period of gestation must be considered as between 284 and 285 days; although the time stated in the work on cattle by the London Society, states it at 270 days.

Third. It appears, that omitting those considered

as premature or irregular, the cows whose period of gestation did not exceed 236 days, produced 223 cow calves, and of bull calves 234; while from those whose period exceeded 286 days, the cow calves were only 90, and the number of bull calves was 152. This certainly gives some support to the opinion prevalent among farmers, that when a cow exceeds her usual time, the produce will be a bull calf.

Fourth. There were 7 cases of twin cow calves: 5 esses of twin bull calves; and 11 cases of twin cow and bull calves. Earl Spencer has never had a case in which the sexes were different, in which the heifer was a breding one; they have uniformly been what are termed free martins. The cattle of which the above record has been kept, are the pure improved short born breed, and of the finest herds in Great Britain. -American Furmer.

From the American Citizen.

Our Wheat Interests-A Public Meeting.

We bave read, with attention, the proceedings of the Convention of Tobacco Planters of the United States held last month, in the city of Washington.— We published an outline of the views expressed, and the measures adopted, by that convention, in our last number; and we ask all our readers to examine them carefully. It seems to us that they ought to produce a strong effect upon the public mind, in all the wheat growing States-that they ought to awaken us to a sense of our stupid neglect of the greatest outward interest conclusive evidence that this disease is caused by er- which the Creator has bestowed upon us; and that we

should feel excited to confer together henceforth often and extensive, to promote this interest.

We believe the grain growing interest in the United States, is now, under all the embarrassments besetting it, six or eight times greater than the Tobacco interest, and can be soon extended three-fold by just and the great tide of life in all countries, more vitally and the great tide of life in all countries, more vitally and the great tide of life in all countries, more vitally and the Tobacco interest much more beneficially than the Tobacco interest can. Shall we not then labor to cherish it by all the fair means in our power? It is not enough to sow, and reap, and grind, the finest wheat known to earth's broad bosom, with labor and skill, in all the requisite processes of tillage and machinery and manufacture, exciting the admiration of the world-and to multiply railronds and canals, and vehicles of transportation upon them, with a rapidity transcending the creations of fairy land; but we must actively apply our common sense, and that extensive knowledge of facts which we now possess, or can easily obtain, to the task of extending the markets for this most essential of the necessaries of life.

Solomon says, "As goods are increased, they sre increased that consume them." This truth is demon-This truth is demonetrated by the experience of all ages. And the scili-ty with which wheat is raised in this and the neighboring latitudes, in a wide belt across the Union, is the chief cause of the rapidly augmenting population, every where working the soil in these regions. But we should not be content with this source of our incressing numbers, wealth and strength. There are frequent communications between all civilized nations, and these have, within a few years, been extended be-yond all former precedent. The United States are youd all former precedent. The United States are coming into close contact with all the world. And in the trade of the world, surely the nations which furnish the greatest supply of the things most essential to the subsistence and comfort of human beings, may, with no extraordinary displays of practical wisdom, enjoy a fair share of the benefits of the world'e trade. We do not now, and never have enjoyed such a share, Let us strive to obtain it.

We import an immense amount of various srticles from Great Britain annually,—of which the value has been chiefly derived from the industry of her subjects. In this way her industry supercedes ours to a vast ex-And these importations are chiefly consumed in the wheat growing States. Yet she will take none of our flour, the orticle on which our industry is chiefly Shall this state of things be perpetuated? laid out. We have her interests as much in our country as she hes ours in hers, and perhaps more; for the high price of her bread stulls, always artificially exorbitant to faver the landed interest, will give us all her bungry laborers and artizans, amounting to many millions. Oh that they could vote! as advocates for the admission of our flour into her ports, upon reasonable terms. We think her attention, and the attention of several of the continental nations of Europe should be called to this interesting subject, in a new tone, to be becked up by suitable legislation in Congress. But the interests of the people are rarely attended to without the interference of the people. The people must meet and discuss this concern in all its various bearings. must gather facts and publish them; they must investigate principles and comprehend them; they must petition the national government for its interposition, and show how that interposition may be effectual.

In this most necessary movement we ought to feel no restraint, and Congress should feel none, from the tariff compromise entered into a few years ago. Tobacco planters and the Cotton Planters suffer no restraints on this ground, to deter them from pursuing such measures as their peculiar interest may seem to demand. Why should we? we would not resist the law, but we would modify it.

Nothing is needed, as we fully believe, to place the vest wheat growing interest of our country on its just foundation, but true light and concerted action among the men of the wheat growing States. We ask our intelligent farmers, our well informed and sagacious millers, our observing flour merchants, our enterprising and exact owners of ware-houses, and lines of transportation, and all others interested in the prosperity of the country, and instructed on this subject, to collect the iscts within their means of knowledge, and lay them before the public, with such suggestions of policy as they think wise and prudent, for the peo-ple and the government to adopt. We shall be happy slways to publish, and give, as far we can in our paper, currency to their statements and reasonsble views. And we would earnest advise, that a meeting should be speedily called, in this city, to consider and discuss this subject; and to recommend a convention of delegates from each of the wheat growing States, to be

held at an early day next Spring, somewhere in the State of Ohio; at which the proper policy to be pursued in promotion of the wheat interest, should be matured, and further measures to render that pohely effectual, should be originated.

Our Trade with France.

It appears from a recent table, published in the N. Y. Herald—a paper which strongly advocates free trade—that there was imported into the United States from France alone, in the year 1839, \$32,124,465 worth of articles free of duty—nearly one half of this amount was in silk goods. The articles imported from the same country, on which a duty was paid, the same year, amounted to little more than ten millions of dollars.

Grand total of imports from France, in American and foreign vessels, for the year 1839, \$32,531,531 Grand total of exports to France from

the U. S., in American and foreign vessels, the same year,

18,338,854

\$14,192,467

Thus leaving a balance of imports over our exports against us, with France alone of more than fourteen millions of dollars in one year, or about one million more than the whole export of cotton to France the same year.

Yet, strange as it may seem, the advocates of free trade argue that this same unshackled commerce with France must be continued, lest France should take it into her head to go to India or Egypt for the supply of cotton. The same paper which gives the above statistics, urges, as an argument in favor of this free trade. the fact that we import more of the precious metals from France, than we export to France. So much the worse for us, because our debt is thereby only increased. If this debt is not secured by the Venetian bond of old-the pound of flesh-State stocks-the life's blood of children yet unborn-are sold in France and England, to pay all this excess of importations, no less than for the trifling sums in coin imported to bolster up the United States Bank, or to help ruin a new State, who, macking all the precious lessons of experience, prefers a fevered and sickly adolescace to the simplicity of a healthy childhood-the sad precursor of both moral blight, and physical imbeedity and decay. S. W.

New Agricultural Papers.

Within a few months past, we have received about half a dozen new agricultural papers, most of them published in the Western States. We rejoice to set this evidence of the increased taste for such reading, and expect the time will soon come when no respectable farmer will be willing to live without an agricultural paper. We hope these new papers will all be well sustained; but we apprehend that some of them will seriously interfere with each others success.

- "The Western Farmer," is the title of a small semimonthly paper published at Detroit, Michigan, by Josiah Snow—\$1 per year. The first number was issued January 1, and contains a large amount of statistical and other useful information relating to agriculture and herticulture, mostly original, (but some borrowed from our columns, and the credit accidentally omitted.) We think friend Snow should have chosen some other title, as there was already one or more papers with the same or a similar name
- "The Union Agriculturist," is an excellent new paper, published at Chicago, Ill., as the organ of the Union Agricultural Society. It is nearly executed and appears to be ably conducted,—Terms, \$1 per year—semi-monthly.

"The Western Farmer & Gardener," is a continunation of the Western Farmer, at Cincinnati, Ohio.— The 2d vol. commenced last October, and appeared in a new and improved form, with an able writer on horticulture as co-editor. It is published monthly, in pumphlet form, 24 pages, stitched with a cover—\$1 per year.

"The Agriculturist," is the title of a large monthly paper commenced January I, at Neshville, Tennessee. It is the organ of the State Agricultural Society; is edited by three gentlemen, and gives evidence of a good degree of whent.—Terms, \$2 per year, 24 pages, monthly.

"The Indiana Farmer," is a small but useful paper, published at Indianapolis, by our friend, J. S. Willets, formerly of this State—monthly, 59 cents per year.

"The Practical Farmer & Silk Cultivator," published at Harrisburgh, Pa., might be a pretty good paper, if the editor was a little more enreful or courteous. In one number of his, we observed three articles in succession, borrowed from the New Genesce Farmer without one word of credit.

"The Farmers' Gazette," is a good little weekly sheet—commenced last September at New Haven, Ct.
—\$! per year.

"The Yankee Farmer," published at Boston, Mass. by C. P. Besson—S. W. Cole, editor, is one of the most interesting weekly agricultural papers extant.— The new vol. commenced January I, much improved in appearance and substance. Arrangements have been made for obtaining monthly agricultural reports from different sections of the country, respecting the crops and the markets, &c.—Terms, \$2 per year.

"The New England Furmer," is one of the oldest and most respectable agricultural papers in the Union. It is published weekly, at Boston, Mass.—§2 per year. (We have seen it stated that some change has lately taken place in the editorial management; but as the paper has failed to reach us for some weeks past, and we cannot tell what the effect has been.)

Sore Throat in Hogs.

Missens, Entrons—Can any of your correspondents furnish a cure for sore throat in logs? A number were lost by myself and others hast summer; and all remedies used were ineffectual. The throat and head were swellen, food was refused, and in about forty-cight bours from the commencement, grunter would grunt his last. SAMUEL DOUGLASS.

Whitchall, Ohio.

Causes of the decay of Turnips.

Messas. Thomas & Batham—The following is submitted to the opinion of all that are interested in the inquiry made in the first number of the present volume of the New Genesee Fariner, which is for the cause of the decay of Ruta Baga Turnips.

I have come to the conclusion that early sowing in warm seasons, will lead to the true cause. When turnips are forward in the season, they fail for want of sufficient moisture during the extreme warm and dry weather, which effects the heart or centre of the turnip and commences the decay, which first appears by the top turning yellow when the outside appears sound and healthy. This effect is produced on large turnips when small ones will escape. Another cause may sometimes be observed. After the turnip is nearly matured, wet weather will produce a new life and cause them to crack open, and during warm weather, water standing in the crevice will cause the

It may be well to state that the turnip and cabbage for ten days, half a ton!) No person whose opinion tribes, flourish best in a climate some hing couler than is of any value, will be weak enough to argue for a

the summer in this section, and that warm, dry weather is equally injurious to both. Therefore the time of sowing about be delayed as long as possible, and have them mature before the winter too nearly approaches, unless some is wanted for early use. W. R.

Fredonia, January 11, 1841.

"The Burlington Silk Worm Frame."

We have received three numbers of the "Burlington Silk Record," a small paper, "issued monthly without charge, to all persons interested in the silk business, for the purpose of opening a cheap channel of communication, to extend among them a knowledge of the Burlington Silk Worm France, of the Burlington Filature, and of the Editor's having made it his business to raise and keep for sale the choicest kind of Silk Worm Eggs, as well as to stimulate and foster the extension of the Silk Culture in the United States. It will be sent by mail to such as write for it, free of postage. Address, EDMUND MORRIS, Burlington, N. J."

We copy the following article from the Record, setting forth the advantages of these Frames. We will give some description of them next month.

The No-Cleaning System.

We believe that all silk culturists have found the business of producing silk perfectly certain and manageable, up to the fourth moulting of the worms,-After the fourth moulting, they increase so enormously in size, and discharge so great an amount of excrement, that in a large establishment it seems impossible to preserve the proper degree of cleanliness, even when many hands are employed at cleaning, as the operation must be performed every three or four days. This great discharge of excrement, added to the surplus foliage which will necumulate more or less, all mixed in with the bodies of the dead worms, speedily generates putrefaction, which causes the death of thousands more, from the fatal impurity of the air which is constantly rising up from below. The books of Euro-pean writers are filled with cures for diseases thus generated, while not one has thought of suggesting any other preventive than that of cleaning. They have none of them thought of going back and making a fresh start from the beginning, by using such fixtures as will remore the cause of these diseases. Herein we believe the grand mistake has been made, and it remains for American ingenuity and perseverance to demonstrate that the whole system of feeding must be changed, in order to accomplish any good results with he least approach to absolute certainty.

On the Burlington Frame, the worms are placed at the difficult period between the third monling and spinning, in such a manner that all these three clements of putrefaction, the excrement, the chippings of the foliage, and the sick and dead worms, are completely got rid of by being riddled ont at the bottom of Whatever proportion of these three does not fall through, is exposed to a continual current of air passing upward, which evaporates so large a portion of the moisture remaining in them, that the little which is left is too small to be injurious. The accurney of this has been proved by repeated trial, and by different gentlemen who have used the frame. Indeed the construction of the frame demonstrates it. tried and proved it ourselves, on a crop which produed five bushels of beautiful cocoons, without losing three per cent. of the worms; and a friend in New Vork, who fed on the same principle, did not lose even three per cent., and from two ounces of eggs gathered twenty six bushels of cocoons. He did not lean his wormsonce after being placed on the frames, between the third and fourth moulting, nor did we .-The saving of labor and expense was very great, and the lives of all our worms were insured, and that is the great point-that we shall succeed in making every worm spin a cocoon.

To ascertain the exact quantity discharged by a worm after the fourth moduling, we collected and weighed the droppings, and found that 1000 worms in 24 hours discharged two ounces of clear excrement, which fell through the frame to the roof below. A considerable quantity was intercepted by the straw being spread too thick on the frame. This makes the weight from 8000 to be one pound; from 80,000 ten pounds; and from 800,000 one hundred pounds, (or for ten days, half a ton 1). No person whose opinion is of any value, will be week enough to argue for a

moment that there is no object in getting rid of this enormous amount of filth; and few can be found unwilling to acknowledge it a most important advantage. Now our Frame throws off the whole of this dangerons discharge of dirt, instead of contining in continued contact with the worm, where it becomes the fruitful parent of disease and death. We have tried the feeding upon solid surfaces in a large way, and give it as our decided conviction that worm feeding can never be curried on profitably in that mode, on a scale large enough to be worthy of a capitalist. It may do in a small way, where the greatest success will never smount to much, while even then there is continual danger of a total failure. The next year will prove much in favor of the new system of feeding, as many large establishments will adopt it. Silk can thus be made at a low price, and the crop will moreover be a certain one—and no one will assert that it has ever been any thing like a certain one so far. and hurdles must be laid aside, the new system must be used, and reeled silk can be made for a dollar and a halt per pound.

For the New Genesee Farmer.

Barn Cellars -- Protection for Cattle, &c. Messas. Editors-Many writers for agricultural papers, have given descriptions of farm buildings, means of protection for enttle, sheep, &c.; but they have, for the most part, been on so large a scale as to be of little benefit to the common former. Those of your readers who have taken the Genesce Farmer from its commencement, can call to mind with what interest they read the glowing account of Ulmus describing his Grand Island form; his oxen, the manner they were sheltered and ted; his plan of a barn and stables, as given in the Cultivator. Also, the numerous articles of L. A. M., of Tompkins Co., on protection for sheep; and A. B. Allen's description of his hog pen. These were all interesting articles; but not one of a hundred of your readers, have ten yoke of oxen to shelter, or need a hog pen to accommodate fifty hogs, or hay barns to protect eighteen hundred sheep.

The most of your resders are small formers, like myself, who have only from one hundred to one hundred and fifty acres of land. These are the men who need to be urged to afford protection for their cattle and sheep, although few in number. When you can bring the ordinary farmer to cultivate his lands in the best manner, to own no cattle, hogs, or sheep, but those of the finest order, and afford suitable protection to all these, the grest object of agricultural pa pers will have been accomplished.

Having built a cellar under my barn, and a stable attached to it, which I think onswers a good purpose for a small farm, I propose giving a description of it for your paper, in hopes that so far as the plan is a good one, it may meet with the approval of my brother farmers, and may perhaps contain some seasonable suggestions to those about building.

When I came into possession of my form, a sufficient number of buildings were upon it; but the barn, built some forty years ago, in the usual style of barns in that early day, had but little accommodation for cattle. As usual, it was divided into three parts, the bay, floor, and stable. The ground was slightly descending, so that the end of the barn, in which was the bay, was near four feet from the ground. Having supported the corners on props, I dug out the earth to a sufficient depth under the barn and born floor, and built a substantial wall, enclosing a space of thirty feet square. I then built an addition of sixteen feet on the end of the barn, for stables. The floor of this stable is three feet lower than the born sill. Across this stable, adjoining the barn, is an alley of four feet in width, and from this alley is a possage to the cellar, and by the eide of the alley is the manger, as seen in the annexed plan. My stable will accommodate nine head of cattle, arranged according to their strength and pugnacious propensities. I have tried different methods of fastening cattle, and I prefer a chair around

and down a stanteal.

My feed for cattle depends somewhat upon my success in root culture. I am now feeding apples and potatoes, and find them apswer a good purpose, although I prefer mangel wurtzel and carrots, to any other food for cattle.

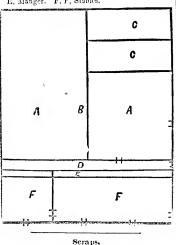
It may be useless, in this day of improvement, to enumerate the benefits of stabling cattle; but I consider, as not the least of these, having them at command, where they are handled and made docile. In short, the benefits are manifest, open and confessed by all; but who feels an interest sufficient to go and do like-MYRON ADAMS. Vours, &c., Ontario county, January 18, 1841.

The following plan will give the reader a more definite idea of the arrangement :

A, A, Cellar with a partition B. C, C, Bins for potatoes, apples &c., under the barn floor, filled by driving on to the floor and opening tran doors.

D. Alley between the cellar and stables.

E. Manger. F, F, Stables.



CONDENSED FROM EXCHANGE PAPERS.

GEORGIA SILK. The Macon Telegroph says, "At a late term of the Inferior Court in this county, one of the Judges oppeared on the bench in silk stockings, silk handkerchief, &c., made by his own family or some of his friends, the production of their own cocooneries. The next day another of the judges, A. E. Ernest, Esq., appeared in a full suit of silk, (including coat, vest, pantaloons, stockings, pocket handkerchief, and stock,) produced and manufactured wholly and entirely in his family."

FIRE-PROOF PAINT. The Buffalo Commercial Advertiser gives the following method of making paint, which when applied to wood, will secure it from both fire and rain. It is recommended as useful on floors under stoves, and it is stated that wood thus treated msy be converted by fire to charcoal, but will never

Dissolve potnsh in water till saturated, then add, first a quantity [how much?] of flour paste of the consistency of common painter's size, and secondly, a quantity of pure clay to render it of the consistency of cream. When well mixed, apply it with a brush. BRICK LINING TO HOUSES. A correspondent of the Cultivistor filled in the walls of his house with un

the neck, fastened by a ring and key. This chain burnt brick, set edgewise. One layer of hard brick, passes through a small wooden bow, which slides up | bad flat at bottom, prevent mice from ascending .--The cest of the brick was \$2, 25 per 1000.

> EXPERIMENTS ON POTATORS. Thomas G. Lofton, in the same paper, gives the following experiment and results: --

"I planted five rows side by side, and the hills I experimented on side by side; and

1st. row, cut the common size, that is, one large potato into 4 or 6 pieces, 4 pieces in a hill-" 4 pieces in a hill, cut as small again.

11.3 3J. simplicat round ones. 4th. "1 " 66 largest, without cutting. 5th. "2 " 4.6 of same size potato.

The following ere the results in weight and number:-

" 1st. row, counted 53 potatocs, weighing 103 lbs. 24. 62 103 3d. " 46 36 44 .. ें हों । । 15 व 37 4ch. 31 64 44 5th.

LIME AS MANURE. B. G. Avery, of Onondaga Valley, near Syracuse, applied manure in the summer of 1839 to mown land, inverted the sod and cowed wheat. To other land, more worn, and previously in wheat, he applied refuse lime from the kiln, about 180 bushels to the acre, and sowed it. On the manured land, the straw was large, and the grain somewhat shrunk; on the limed portion, the straw was not so large, but was bright, the grain good, and the yield the greatest per acre.

CLOVER AMONG CORN. Allen Putnam, the new Editor of the New England Farmer, recommends the practice of sowing clover seed among corn, from personal experience, as being more certain of vegetation, the crop more free from weeds the first year, free from grain stalks, easier to mow, equally abundant, and better in quality; and the young plants are not overshadowed by grain early in summer, nor too much exposed to the sun after harvest. The mode is, to make no hill, sow at mid-summer, and cover with a one-horse harrow, and make all smooth with a boo. Cut the corn closely to the ground. If necessary, the surface may be cleared with great expedition while the ground is frozen in winter, by means of a common hand hoc.

GREAT CROP OF CORN. The Kentucky Farmer gives the experiment of G. W. Williams, with a certificate of measurement, on a corn crop from an acre and an eighth, which yielded one hundred and ecventyeight bushels, or more than one hundred and fiftyeight bushels to the acre. The land was evenly covered with unfermented manure, the corn, an early yellow variety, planted in rows two feet spart and one foot in the row, the surface kept level, the land rolled after planting, and the weeds subsequently cut by scraping the surface with a sharp hoe.

THE SCRATCHING SYSTEM. A correspondent of the Western Farmer, in commenting on large farms and miserable cultivation, and recommending o concentration of labors, speaks of a farmer who cultivated one acre of land adjoining a field of thirty acres, both planted with rye; at horvest a bet was made that tho yield of the one acre was equal to that of the thirty acres, but was lost, the thirty acres, by securate measurement, yielding three quarters of a bushel the moet. Both fields he had seen, and also another where the owner offered to dispose of his erop of rye at a dollar an acre, but could find no purchaser at that price !

ENORMOUS HOG. J. S. Skinner, of the American Farmer, recently saw a bog, of the Bedford and Byfield breed, that weighed last summer 900 lbs. His increase I as been such since, that he is now estimated to weigh 1300 pounds! The owner has refused, at one time \$150, and at another \$175 for him.

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For the New Genesee Fari

REVIEW.

Cournal of the American Silk Society—Edited by Gideon B. Smith, Bultimore. Nos. 11 and 12, for Nov. and Dec., 1840.

This is the only publication now remaining in the Inited States, exclusively devoted to the culture of lilk. It was originally issued under the auspices of ne American Silk Society; but the society itself is ong since defunct, having existed only during the ontinuance of the multicaulis mania. The Journal, owever, has been continued, with distinguished abili-, by Dr. Smith, the earliest, most steadfast, and ost persevering advocate of the industry to which it devoted. It contains, throughout, a mass of facts nd information indispensable to the cultivator of silkorms in the present infancy of the art in this couny. It is with deep regret that it is perceived that it so must soon follow the fate which has overtaken ther periodicals of the kind, unless the friends of the tuse promptly step forward and hand in their subscripone for another year. This crisis in its existence, gether with an anxious solicitude for the prosperity the cause, has induced to the present communica-

The second volume of the Journal bas just been

ought to a conclusion-the November and Decemer numbers having been issued under one cover .he value of these numbers perhaps exceeds any that ive preceded them, with the exception of those which ontain the account of the new and very important cory of the editor, in regard to the principle of sang and preserving silkworms' eggs with safety, for e purpose of successive crops. The promulgation this theory will, it is believed, constitute an epoch the progress of silk culture in the United States. he principle is philosophical and rational; and while explains, satisfactorily, most of the difficulties and sasters of the past year, a knowledge and appreciaon of it will serve to guard against similar consequens in future. That its discovery should have been rerved for this day and country, is by no means surising. In the old silk growing countries, the rearg of successive crops has been attempted; and, owg to the character of their climate, it is no doubt apracticable. American cultivators, however, have oked to a more extended field of operation, and with e advantage of the multicaulis, have conceived the acticability of producing silk throughout the warm ason. That they have been subjected to much disouregement and disaster in the outset, ought not to a matter of any special wonder. It is not to be exeted that an art, confessedly in its infancy in this untry, and conducted on entirely new principles, can prosecuted at once with entire success. It may ssibly require several years of experiment and obrvation, to establish what may be termed the Amerin System of Silk Culture, on a sure basis; but the timate advantage, both national and individual, by hich its triumph would be attended, offer strong incements to persevere, even had its failure been uch more general than it has been. As to the old etem of single crops, reared in the spring, it has cceeded in no country better than in this.

The two last numbers of the Journal contain gratifyg intelligence from various parts of the conntry. In
suncessee the business appears to have flourished bettlasn in any other State. There is a well organid State Society to promote its advancement, and the
hibition of silk goods has been highly creditable.—
Economy, In Pennaylvania, the quantity of silk
adduced, during the last year was very considerable;
d at Frederickton, in Maryland, the culture was atladed with decided success. These instances, tother with numerous others that might he adduced

go to show that the cultivators of the silkworm have still much encouragement to prosecute their labors.

The use of lime has obtained extensively, during

the past season, as a preventive of disease amongst silkworms. In the 11th number of the Journal, there is an orticle on this subject which is worth more than the annual subscription.

The Address to the friends of silk culture, in the

closing number, is a highly interesting paper. It contains a general view of the present state of the business in this country, with a notice of what is doing and may be done to promote its permanent advancement.

The following extrect from the "Last Appeal."

of the editor to the friends of the cause, deserves special attention: - "After considerable effort, the subscriber has been enabled to complete the publication of the second volume of the Silk Journal. This has been done at great personal sucrifice, the subscriptions to the work not having been sufficient to pay the expense by several hundred dollars. It now remains for the friends of the silk culture to say whether the Journal shall be continued another year. The subscriber believes that the information which he will be able to publish during the ensuing season, will be invaluable to the cause. The great and important improvements made in the ort, in the United States and in Europe, and those that will be made next year, ought to be disseminated freely amongst the people. Particularly the New Theory may be referred to as one item of mimense importance, that requires the freest discussion and examination. If that theory shall be proved to be the true one, the widest circulation ought to be given to its principles and details: because it will effectually establish the business in the United States. and place it beyond the reach of casuality. All this cannot be done without the aid of a publication devoted to the cause exclusively." The terms of the Journal are 'Two Dollars a year,

The terms of the Journal are Two Dollars a year, payable in advance; and we earnestly desire that the friends of the culture may freely sustain it.

P.

Virginia, 1 mo. 12, 1841.

Lightning Rods.

Last summer during a thunder-storm, the lightning rod attached to our house, received a very heavy stroke of hightning—the shock was tremendous; but we only mention it at this time on account of the practical inferences to be drawn from the circumstances.

The rod is fire-eighths of an inch in diameter near the top, but six-eighths of an inch below,—in two pieces screed together, with a single point on the top capped with silver. It is upheld by lorge ook pins eighteen inches long, driven into the frame, and the rod passes through them near the outer end. It is painted to prevent its rusting. Near the surface of the ground it begins to slant from the house, descends into the earth, and terminates in a bed of charcoad six feet deep, which extends still further from the building.

This fixture has been found sufficient with a slight exception, to let off a discharge that shook the whole neighborhood. The exception follows:—A stove pipe twenty feet in length, entering the chimney just under the roof, ten feet below the point of the rod and three feet from it,—received a small portion of the fluid, which passed through two chambers in succession on its way to the cellar. Two joists under the stove were very slightly shattered, and a few panes of glass broken by bursting outward. It appears that the nails conducted it through the pine floor into the joists.

The point of the silver cap was melted. This we suppose was occasioned by the crowding of the fluid to get down the rod; but if there had been more points, probably no fusion would have happened, ond the stove pipe have been protected.

dod with decided success. These instances, tother with numerous others that might be adduced, covered on the oak pins, although the wood was in

contact with the rod; and neither glass nor any other substance employed to prevent the scattering of the fluid. We infer therefore that all such appendages are useless; and that it is quite as safe to fasten the rod to the building by cleats as to have it stand off at a distance. It must even be safer unless the upper part leans against the building.

The prejudice against painting such rods, appears

to be unfounded. We presume indeed that paint is not more objectionable than rust.

The Roads.

The winter is a favorable time to lay up instruction. After a light snow has fellen with a brisk wind, let him that feels an interest in the state of the roads, get into a cutter and drive a few niles to make observations. For this purpose, he will commonly succeed best when he goes alone. Where the highway has been turnpiked and raised considerably above the general surface, he will find in most places more hubs than snow, and he may heartily wish for a good side-track.

As this is a term not often to be found in the vocabulary of path-masters bowever, we shall stop to explain; and as in many districts, owing to the improvidence of the people, nothing of the kind can be discovered, we shall proceed to tell what and where it ought to be.

The law allows our highways to be sixty-six feet wide; but if they are only sixty feet in the clear, and thirty feet be appropriated for the turnpike, then we shall have fyiteen feet on each side for aide tracks. Make the ditch six feet wide with essy elopes, smooth the bottom, and clear out all large and loose stones, and there will be a most convenient track for the snow to settle in, when it is driven by the wind from the turnpike. No better sleighing can be desired than what we occasionally find in a ditch of this description, while much of the track which is ordinarily used in summer, is unfit for any loaded sleigh to poss along.

But another side-track ought to be provided on roads comparatively level. Between the ditch and that fence there are nine feet remaining, where a smooth sod ought to be found; and on this not more than two inches of snow will be required to make comfortable sleighing. To see the traveler who has ventured from a more snowy region, at one time grinding over the bare ground with his horses on the strain; and then starting on a trot as he reaches the sod which perchance was left by the way side,—ought to make us, who have it in our power to do better, ashamed of our negligence.

Why not go to work in the summer, level down the inequalities, and remove all obstructions, but especially large stones whether fast or loose? In most cases, the necessary labor would not be a tythe of what is annually spent in hauling mud, or stuff equelly unfit, into the beaten track. Have path-masters no memory? Can they never recollect in summer what we shall need in winter? If so, now is the time to make menorandums, as well as observations, t

Snow Drifts and Meadow Mice.

Young trees surrounded by snow drifts, are in a dangerous condition. Such as are quite small and covered by snow, in consequence of its weight and adhesiveness are almost sure to be crushed; while such as reach above the drift, with most of their limbs enveloped, will have them stripped off and their bark learnted.

A worse disaster however, often happens to trees that stand in snow drifts. The meadow mouse, as if aware of its numerous enemies, seldom, if ever, attacks a tree that stands clear in the open ground; but where it can work in safety under cover, it is very destructive. We had one tree, three inches in dism-

eter, that stood in a snow-bank, and it was barked completely to the height of four feet.

Although drifts are much the most dangerous, yet under deep snows that lie long, mice frequently injure small trees. As a preventive, we had a small mound raised round each tree to the height of a foot, with great success, for we have not had a tree damaged that was properly guarded in this manner. When the mice, rooting along under the snow, come to such mounds, it appears that they generally turn away; but there is another advantage: In snows of moderate depth the wind sweeps it off; and even should a mouse persevere in ascending the mound, he would coon find his nose in the open air.

To prevent both crushing and gnawing however, we endeavor to tresd the snow round all our trees when it is deep, whether by drifting or otherwise; and this is done to the most advantage when it gires a little, or is near to the melting point.

Italian Spring Wheat.

JONATHAN EDWARDS, of Virgil, Cortland county, states to us a successful experiment in the culture of this wheat. He went seventy miles, and succeeded in procuring twenty bushels, which, when thoroughly cleaned, amounted to only sixteen. These he sowed, as carly as practicable, in the spring of 1837,-a part on five and a half acres, which produced 210 bushels, or more than 38 bushels to the acre; the rest was not so productive. The whole crop was 468 bushels. The land was ploughed only once, but was afterwards well pulverized with the harrow and cultivator, and ten loads of leached ashes applied to the acre. The crop was sold for seed at two dollars per bushel.

He has 115 acres of cleared land, from the tilled portion of which, (about one half,) he has raised in the last four years, more than six thousand bushels of orain. His wife has manufactured about two hundred pounds of butter to the cow the past season, and raised six calves.

Successful Culture of Silk.

ROBERT SINCLAIR, of the Clairmont Nursery, near Baltimore, writes to us as follows:-"A poor man in this State, on a very poor sandy farm, with the hope of bettering his condition, planted the morus multienulis; but not being able to sell them, he turned his attention to the culture of silk. He fitted up his carriage house, and all the unoccupied rooms in dwelling, in a manner suitable for feeding, and by constant attention made good eocoons. These, by the assistance of his wife and family, he succeeded in reeling, doubling and twisting, and converting into good sewing silk, which he says produced one thousand dollars.' Is there sny person in this country who has had as little experience in raising cotton or flax, able to produce from either such successful results?

Clover in Orchards.

Messas. Editors-A writer over the signature of "South West," inquires if clover is injurious to orchards. Most certainly it is-though the degree of injury depends very much upon the nature of the ground, being greatest where the soil is thin, and the subsoil heavy and cold, and least where the reverse is found. I have noticed its deleterious effects in a great number of instances. The first case of the kind that came under my observation, was that of a fine thrifty orchard belonging to Judge Brewster, then of Riga, Monroe Co. These trees took well when transplanted, and flourished for several years with uncommon vigor, under the indicious treatment of that accomplished agriculturist. About that time clover was first introduced into that part of the country. The advantages attending its culture were at once perceived by Judge B., who sowed many of his fields with it, and among them the orchard above mentioned. A few years were sufficient to show the ill effects of the clove to, beyond all compani on, the most profitable root | Yates County, N. Y.

upon the trees, in their stinted growth, rough, sealy, moss covered bark, and small yellow leaves; in a word, all those peculiar appearances which mark an orchard dying of starration. Since that time I have watched the effects of clover on fruit and other trees, and have invariably observed the same effects, in a greater or less degree, follow its introduction.

The reason for this, I believe will be found in the formation of its roots, which run deep and interfere with those of the trees; while the grasses, Tunothy, red-top, and the like, gather their nutriment at or near the surface, leaving the soil below for the exclusive pasturage of the trees. The long tap roots of the clover penetrate to the same depth with those of the trees, or at least that portion of them from which the trees derive their nourishment, robbing them of all, or nearly all, of that sustenance which goes to make up the growth of the clover.

Another reason will be found in the fact-for such I believe it to be-that the peculiar property of the soil which is sought for and taken up by the roots of the trees for their growth, is the very same which is selected and supropriated by the roots of the clover for its use; or, at least, much more allied to the same, than that which is taken up by the grasses above named. So that the trees and the clover suffer, not only by their proximity, but also from their sameness of taste-they are both seeking the same peculiar food in the same locality. It is like setting two guests at one table who will cat only of the same dish. The result is obvious-unless there is a plentiful supply, one or both must make a scanty meal.

H. M. WARD.

Rochester, January, 1841.

For the New Genesee Farmer.

Roots and Root Culture.

Messes. Epirors-I propose to give you some account of our farming operations during the past season. If you think it will add any thing to the general stock of knowledge, you are at liberty to publish. CARROTS AND TURNIPS.

We ploughed up a piece of muck land upon which ruta bagas were raised last year. May 22d, ground in fine condition, drilled in the seed, at the rate of 3 lb. to the acro. Soaked the seed until it had considerably swollen, turned off water and sifted in plaster. Rubbed the seeds in plaster till they became distinct and separate, and passed through the drill without trouble. Owing to the dry weather and the seed being planted too deep, they did no: vegetate very rapidly. The prospect however, was favorable for a very good crop, when one day went to examine them. and some two hundred sheep had taken it into their heads to get over a poor fence, and eat every thing down to the ground. This was about the 25th July. Had a good fence put round the lot and varded the sheep several nights, occasionally dragging the field. On the 30th drilled in the Norfolk turnip, and have gathered a very tolerable crop. I am satisfied carrots will prove the best root, next the potato to cultivate, as they will do well on almost any soil, more hardy and less exposed to insects than turnips or beets, and less affected by the season than the potato.

RUTA-BAGA AND POTATOES.

Sowed almost two acres, and did not vegetate well, and what did grow was badly injured by the fly .-Ploughed up the ground and planted potatoes. Had a fair crop, but not so good as we should have had if we had not cultivated so many weeds among them. I am no believer in the Rohan. The Merino is better adapted to the country and with as good care will yield as bountifully. I think it is the best field potato that can be raised. We have no seed to sell howcrer. Where the soil is favorable, I believe the pota-

crop the farmer can cultivate. If he have good potato land, the farmer had better eachew all these modern improvements in the root line, and go for his oldest and best friend. It is only in those situations where potatoes cannot be raised to advantage, as when the crop with good cultivation, and average years, falls below 300 bushels per acre, that other roots should be tried. From my observation this season, I am satisfied the Carrot, under all circumstances will prove the next best root for extensive field culture.

SUGAR BEFT AND ROOTS GENERALLY.

The best erop was a total failure, owing to the seed being planted too late (24th May.) I am not much in favor of them for field culture. However, I believe all of us have much to learn on the subject of root culture. All are agreed as to the importance of cultivating more roots than we do, and I am glad to see much attention exhibited on the subject. In conversing with an intelligent farmer yesterday, he told me he had bean feeding his horses for some months upon carrots, and he was satisfied a bushel of carrots was worth as much for that purpose as a bushel of oats. Should further experience justify that assumption we shall wonderfully increase our profits, by the increase of the root culture. With ordinary care 500 bushels per acre might be counted upon with as much certainty as 40 bushels of oats. Then, allowing them to be on a paras to feeding properties, you have in productiveness at least 12 to 1. It will cost more time to cultivate an acre of carrots then an acre of oats. But the difference will not exceed three to one; still a large balance in favor of the root. The root however, has another decided advantage, and that is in leaving the ground in fine condition for a spring crop, and making a great deal more manure.

I hope we shall hear more on this subject from the numerous list of your really able contributors.

Sincerely yours.

Darien, Dec. 21, 1840 T. C. PETERS.

For the New Genesee Farmer

Salting Butter.

Take 2 pounds of the best common salt ; I lb. of good brown sugar, and I lb. of salt petre. Mix and beat all up together, and take one ounce of the composition for each pound of butter; work it well into the mass and close it up for usc.

Butter cured in this way, appears of a rich, marrowy consistence, and fine color, and never acquires a brittle hardness or tastes too, salt. It should be kept two or three weeks before it is used. If well made, it can be kept good for two or three years. This recipe is used and highly approved in many parts of England and France. WNH

Fattening Poultry.

An experiment has lately been tried of feeding goese with turnips, cut up very fine and put into a trough with water. The effect was, that 6 geese, weighing only 9 lbs, each when shut up, actually weighed 20 lbs. cach, after about three weeks feed. ing with this food alone.

Malt is an excellent food for geese and turkies. Grains are preferred for the sake of economy, but will not fatten so fast. Oats ground into meal and mixed with a little molasses and water : barley meal mixed with sweet milk; and boiled oats mixed with malt, are all excellent for fattening poultry, reference being had to time, expense, and quality of

Corn, before being fed to fowls, should always be crushed and soaked in water, or boiled. It will thus go much forther and digest easier. Hens will often lay in winter, when fed in this manner, especially if well sheltered. W. N. H.

BERKSHIRES.

Farmers differ with regard to the valuable qualities of this breed of hogs. Without asserting, as some have done, that they are positively the best breed in existence, one thing is quite certain, that they far exect most of the native varieties raised in this country. Their rapid increase and dissemination for a few years past has been such, that they may readily be obtained with comparatively trifling expense. We hope that all who regard them with suspicion, will examine thoroughly their merits before rejecting them.

One of the strongest objections is their smallness of size. It is true they are not equal in this respect to some others. But the following instances will show that they may attain a respectable magnitude at least, and if farmers would cease buying inferior animals and cullings of litters, because they are cheapest, this objection would not, we believe, have much ground for validity. A recent importation by A. B. Allen, of Buffalo, contains a boar and sow, the former weighing 550 lbs, and the latter a few pounds less. They were fed on nothing but grass for months before weighing. One 18 months old, was sold in the Albany market in 1839, which weighed when dressed 633 pounds, and sold for about \$56. J. Lossing, of Albany, states that he has one imported male, that at fifteen months old, measured six feet five inches from the end of the snout to the roo! of the tail, and five feet six inches in girth; that of fifteen slaughtered by the Shakers of Watervliet in 1839, consisting wholly of what are called runts and the cullings of litters, from fifteen to seventeen monthsold, the average weight was 356 lbs; that one killed at Shaker village at Lebanon, at two and a half years old, weighed 800 lbs.; and that he himself killed one at sixteen munths weighing over 400 lbs. The chairman of the committee on swine for Tompkins county, in his report, says he recently saw pigs in Rhode Island, a cross between the Berkshire and Byfield breed, (the latter a smaller breed than the Berkshire,) that weighed 300 lbs. each, at a little less than nine months old. J. R. Caldwell, of New Windsor, fatted a pair of Berkshire barrows, and killed them at a little more than a year and a half old, when they weighed 1,020 lbs. They were fed on grass alone during the two summers, and given other feed only a few months before they were butchered. Such instances might be greatly multiplied. They show that, by proper management at least, a large size may be attained.

But size is by no means the most important consideration. If a Berkshire at 200 cuts up as well, and affords valuable parts in as great a proportionate quantity as another hog at 500, who would hesitate between them? Many, in their great cargerness for size, are sacrificing quality. The large bony breed will indeed fill the barrel the soonest,-with heads and shanks, -but, as somebody has justly observed, it is of far more importance to fill the consumer. Accurate experiments are greatly needed to exhibit the relative qualities in this particular, of the Berkshire and other breeds; the best we have seen, are the following, taken from the report of the committee before mentioned. The first is a sow of "common breed," two and a half years old, and weighed when dressed 235 lbs. The second is a half blood Berkshire sow, 18 months old, and weighed 204 lbs. The first had raised one litter of pigs, tha Perkshire two litters. The third example is a half blood Berkshire barrow, eighteen months old, fattened in the ordinary way.

	Ist Sow.	2d Sow.	Parrow.
Lard	26 lbs	16 lbs	31 ibs.
Hams	323	31	52
Tender loit	i 5§	3}	5
Fat	84	63	9
Mess Pork	96	103	176
Prime "	೪৪}	16	26
Spare rib	20	12	16
Head	18	16	21
	235	204	386

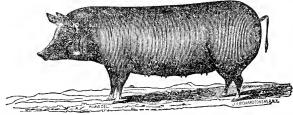
Farmers are usually extremely particular to obtain the full market price for the r grain-the loss of ten cents on a dollar by bad marketing would be insufferable. But why is it, that they are not as careful in relation to the market at home, the mar ket of their own making, which is to tell whether they get the same return for twenty bushels of corn, as another man with an improved Berkshire market cets for ten? A near neighbor lately butchered a few pigs, several months old, a part of half blood every respect, but averaged, on killing, full weight nently distinguishes the Berkshire breed, which evel trifling.

ry one acquainted with them have observed. A striking instance of this quality, is given by Wm, P. Curd, of Kentucky, of a full bred boar, which at eleven months was castrated in consequence of an mjury rendering him useless-he weighed at that time 122 lbs. "After being fed 64 days, he was weighed, and lifted the beam at 410 lbs., showing the astonishing gain of four and a half pounds a day. He is now fed solely on grass, and weighs 550 lbs. at the age of two years."

In consequence of the well attested excellence of this breed of hogs, many attempts will doubtless be made to impose on the farming community; caution will therefore be necessary in procuring animals, as well as in deciding on qualities which may belong only to the genuine breed, and not to spurious

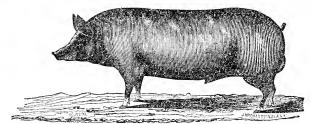
Farmers who are in possession of Berkshires. would do the community a great favor. as well as themselves, by instituting experiments, by accurate-Berkshire, and the rest full blood; the latter were ly weighing and measuring, showing the quantity of two months younger, and received similar feeding in food they consume, their increase in weight, and the relative proportion of the different parts yielded in with the half bloods. The half bloods were a cross cutting up; and if these were accompanied with exwith a large and excellent native variety. It is the periments of a similar character on the common and quantity of flesh and fat made, (and little offal,) for other breeds, they would be of still more value .-the small quantity of food given, which peeemi. The labor of such experiments would be very

COL. SAWYERS' BERKSHIRES.



According to promise, we give the portraits of two more Berkshire swine, property of Col. Amos SAW. YER, of this city.

The above is a leautiful sow, 2 years old, weighing 300 lbs. She is not fat, but broader and heavier than represented in the cut. She is now with pig by young Prince Regent, (Sgure in our last,) and will litter next month. (Col. S. expects to have a few pigs to spare in the Spring, but most of them are already engaged.)



This pig is one year old, and weighs about 275 lbs: is from the above sow, by a full blood imported boar sold to Baltimore for \$200.

Bushes, not Bushels.

An error occurred in our last paper, on page 2, col 3, which materially alters the sense, and makes our venerable assistant appear somewhat ludierous, which we very much regret He did not say that he planted some dozen or fifteen bushels of currents in a a row (!) but that he planted that number of bushes in a row The error was noticed and marked by our printer and promises to keep his spees on hereafter.

Bees and Honey.

Samuel, Marriot, of Hudson, N. Y., informs us that he has very good success with his bees, managed as follows:-The hives are placed under a shed; stand from one to three feet from the ground, and have the bottom entirely open, so that if any worms are produced, they fall to the ground, and cannot return. A hole, 2 inches square, is made in the top of each hive, over which a box, 9 inches square, is placed in the spring. In the fall these boxes are removed, and proof reader, but overlooked by the compositor. He found to contain about 30 pounds each of the finest

The British Corn Laws.

The N. Y. Emancipator of Dec. 24, contains some ttering comments on the remarks of our corresponting, S. W., in the Dec. No. of the Farmer. The liter dissents from the opinion of S. W., however, at we have no right to expect that England will so bodify her coun laws as to admit the bread stuffs of its country on payment of a duty of 20 per cent. In the contrary, he thinks that if proper measures taken, this modification can be effected; and to its end he makes the following suggestion:—

"We propose that there should be Anti-Corn Law cieties formed in New York, Trey, Rochester, Rifalo, Cleveland, &c. The declared object of these cicties shall be, to obtain, by lawful and pactice ears, the repeal or modification of all laws, usages d regulations of foreign nations, which hisder the mission of any American products upon as favoracteristic and the products of such countries are admitded into the United States. The principal means to relicd on, are the collection and diffusion of statistal and other information among the people by earns of correspondence, sgents, public meetings, liberative conventions, the publication of a monthly arnal, &c. They should also endeavor to engage the operation of our government, by such measures of gotiation and legislation as may from time to time deemed wise and prudent."

As our object and aim is to promote the great agillitural interests of the country, we most sincerely she that such a modification of the British Corn wa could be effected; but we cannot bring our inds to view the subject in the same light as our ew York friend; nor can we think that, in the prent state of affairs, any material good would result by carrying out his suggestions.

We like the remarks of the American Citizen on is subject, which may be found on page 19, headed Our Wheat Growing interests."

FARM TRANSACTIONS. Piggery and Pork Making.

Messas. Entrons—Under the above title, I prose, from time to time, to give you some of our perience in farming. If others will do the same, will be but a few months before your journal will come one of the most valuable in the Union. Let us we facts. Let farmers state their operations for c year—pointing out what their own experience is formed defective,—and we shall have a mass of cts before us to serve as beacons in our ouward urse; and save us, if we read your paper, many dollar which would otherwise be lost in unsuccess-

THE PIGGERY.

In constructing a piggery, I went upon the prinple that a judicious outlay of capital upon a farm necessary buildings or other improvements, increais in a much greater ratio than the interest-the oductiveness of the capital already invested. And so, that to farm profitably there must ge a regular stem in the management of every branch of your siness. Thus there should be a place for your rses and carriages, harness, grain and hay, all under e roof if possible; and in like manner for all our other kinds of stock, and in particular, a place here you can keep your swine, from the pig to the rker, and all their feed convenient to your hand. aving a place for every thing, it is easy to keep evy thing in its place; and thereby gain greatly in e saving of time in carrying on business.

The piggery is designed for fattening from 50 to 10 pigs annually, and the fixtures have been made in that reference. By the annexed plan, you will be receive that it has a front 60 by 20 feet. The first 0 teet having 13 feet posts, the others only 7. The ref floor is 50 by 20 feet; 10 feet of one end being ken for a boiling room, or rather for a furnace of the strain of the st

and boiler, as all the cooking is done on the floor, which is on a level with the pens. The rear, as far as was built last year, is 30 feet square, 6 feet posts, with an alley through the centre, 4 feet fret wide. There are three pens on a side, 10 by 13, and each pen will accommodate 7 large bogs, or 8 middling sized ones while fattening. (We shall continue the pens by building another, 30 feet square, so that there will be 6 pens on each side of the alley; or the building for the bright will be 30 by 60.)

Under the main hudding is a cellar, 20 by 60, and 8 feet deep; 10 feet from the east end is walled out by itself and no floor laid over it. Here is a boiler, made of sheet iron, not so thick as boiler iron, but a medium between that and stove pipe iron, six feet long and 24 inches in diameter, with a safety valve, &c., and capable of working about 45 pounds pressure to the inch, though it is never worked over 18set in an arch or furnace. The steam is carried from the boiler to a series of vats on the floor adjoining, constructed as follows :- The outside is of 2 inch pine plank, 12 feet long in the clear, matched and keyed together into one bin or vat, 3 feet deep and 4 feet wide. It is divided into foor equal parts by tight partitions of the same material; so that we have I vats, each 3 feet deep, 3 feet wide, and 4 feet long, holding about 7 barrels of liquid, or 22 hushels of vegetables. All the feed for our hogs is cooked in these vats, by stram, and fed from thence directly to them without handling after being once put into the vat. The saving of labor is very great, as well as the expense of cooking; for 100 bushels of potatoes or apples can be cooked in 6 hours, by a boy 10 years old. I have repeatedly cooked 50 bushels in 3 hours, and taken every thing cold. The vats can be made full of pudding in much less time.

The building is doubly boarded, and the floor over the cellar is lined, and has scuttles, to enable us to ventilate the cellar at pleasure. The hog pen is also doubly boarded—the front fitted with swing doors so that the hog can go in and out at pleasure, and still keep the building sufficiently warm. A floor is laid over head, and thus gives us a good room for storing soft corn in the fall. Ten fect of the further end of the cellar is partitioned off for an apple cellar, and is 10 feet deep. The apples are put in shallow bins, of which there are 30, which hold 8 bushels each.—Thus, it will be perceived, the object has been obtained. We have a place to keep our hogs and their feed, whether green or dry, and prepare it, all under the same roof.

FEEDING HOGS, ETC.

We took up our hogs from the stubble and or. chard, the 21st September, and commenced feeding with cooked apples and bran-2 bushels of bran and 3 quarts of salt to 20 bushels of apples. After the apples were gone, we fed with pumpkins and potatoes boiled with meal (corn and cob ground together.) Then with pudding fermented, 10 bushels of meal to 6 barrels of water, and closed with four weeks feeding boiled corn. Salt was used uniformly, at the rate of two quarts to a vat, whether meal, corn, or potatoes. The potatoes were boiled and mashed in the same water, while hot, and meal mixed with them. Our hogs thrive well, which satisfies me that it is an error to suppose the water in which the potatoes are cooked, is injurious. The corn was cooked by making the water boiling hot, then put in 15 bushels of corn and let it soak for at least 12 hours, then put on the steam. It requires about 12 hours to cook the corn after it has soaked, and when you commence, the corn should only be covered with water. The hogs eat the boiled corn with great avidity, and digest it as well as the pudding.

at the mill, and the trouble of milling, which, together, is something of an item. The corn should be steamed till it turns rather brown, and loses its white, parboiled appearance. We have never fed hogs any thing that has made them lay on fat equal to the boiled corn. We feed no water, as after receated trials the hogs would not drink it, though none is fed with the corn except what the kernel has imbibed in cooking. At least one-quarter is saved by cooking, and then there is considerable gain in not feeding until after fermentation.

We shut up our store hogs, feed them with bailed potatoes and provender, and keep them in thrifty condition till they are turned out to grass in the spring. We keep all our hogs, whether store or fat, well littered with clean dry straw.

Perhaps I have been tedious. If so, my desire to contribute my mite is the only excuse.

Sincerely yours, T. C. PETERS.

Durien, January 8, 1811.

P. S-Will some of your chemical friends give you a bill of such articles as a farmer would require for a cheap Labratory?

T. C. Peters's Piggery.

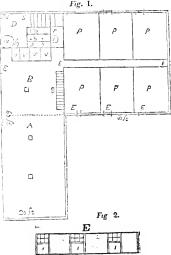


Fig. 1. Ground plan.

A. B. Front, 60 by 20 ft.—the part B two story. P. P. &c., pens, 10 by 13, with alley between.

P, F, &c., pells, It by It's, with alley decircular.

D, kitchon; a, arch and furnace; b, boiler; 1, supply harrel for boiler; 2, chimney, 8 inch stove pipe;
3, steam pipe; 4, safety valves d, drain, ve, water eistern, supplied from spring, and raised to vats, &c., by pump; 5, stairs to cellar; 6, cellar door,—the kitchen part is 5 feet below the floor; v, v, v, v, the vate in which the cooking is done, and which are on the same level with the pens, and from which the fool is carried direct to the pens; s, stairs to second story, which is a very useful store-room, as well as the part A; E, E, &c., door; p, platform over part of furnace and boiler.

Fig. 2. E, side view of pens; 1, 1, 1, swing doors with windows over—the windows are 6 lighted, 7 by 9 glass, and are made to slide down when necessary.

Darien, N. Y. T. C. PETERS.

Pump logs, for conducting water, made of perishable wood, may be preserved a long time under ground by surrounding them with ashes or lime, and the joints should be comented with tar. Those always filled with water will last longer than if occasionally empty.

Compost Heaps.

The following most excellent remarks on the man. ufactore of compost, are righly worth the perusal of every farmer, old or young, rich or poor. Most of them have the merit of being as applicable to this country as to England. Every sentence is full of meaning, and we are tempted almost to print one half of the article at least, in italies. Most of our farmers have yet to take the first step in the proper management of manures-a thing, which if well understood and attended to, would, in a few years, triple the products of the country, and, to speak very moderately indeed, be worth yearly to the country hundreds of millions of dollars. We think there will be no difficulty in proving this. If the writer of the following remarks had mentioned lime as a component part of his compost heap, we think it would have been better, as we consider this ingredient as indispensible.

From the Journal of the English Agricultural Society.

AN ESSAY

On making Compost heaps from liquids and other substances; voritten on the evidence of many years experience.—To which the prize of ten sovereigns was awarded.—By Janes Dixon, Esq., Secretary to the Manchester Agricultural Society.

The force and power of an agriculturist to produce good crops, mainly depends on the manures he can command; and how to derive the greatest possible hencfits from his immediate resources, is one of the most usefol subjects that can engage his attention. The English Agricultural Society having offered a premium for the best mode of making compost heaps, I venture to forward the committee my ideas on this most important branch of rural management; and in doing this I shall state the course I have pursued in this particular for many years, and which every additional experience inclines me not to make any systematic alteration.

My farm is a strong, retentive soil, on a substratum of ferruginous clay; and being many times disappointed in what I considered reasonable anticipations of good crops, I determined on a new system of manuring. Though quite satisfied of the tem of manuring. Though quite satisfied of the expense which would necessarily be incurred by my plan, I still determined on its adoption. At the onset I effectually drained a considerable part of my farm. My next object was how to improve its texture at the least cost-(perhaps I may be allowed to state that my holding has always been at rack-rent;) for this purpose we carted great quantities of fine sawdust and peath earth or bog; we had so far to go for the latter, that two horses would fetch little more than three tons in one day-one horse would fetch three cart-loads of sawdust in the same time. Having brought great quantities of peat and sawdust into my farm yard, I laid out for the bottom of a compost heap, a space of considerable dimensions, and about three feet in depth; three fourths of this bottom was peat, the rest sawdust; on this we conveyed daily the dung from the cattle sheds, the urine is also conducted through channels to wells for its reception, (one on each side of the compost heap;) common water is entirely prevented from mixing with it. Every second day the urine so collected is thrown over the whole mass with a scoop, and at the same time we regulate the accumulated dung. This being continued for a week, another layer, nine inches or a foot thick, of peat and sawdust (and frequently peat without sawdust) is wheeled on the ac-cumulated heap. These matters are continually added to each other during winter, and in addition once in every week never less than 25 cwt., more frequently 50 cwt., of night soil and urine; the lat. ter are always laid next above the peat or bog earth, as we think it accelerates their decomposition. It is perhaps proper here to state that the peat is dug and exposed to the alternations of the weather for ecveral months before it is brought to the heap for admixture; by this it loses much of its moisture .--In some cases, peat contains acid or astringent mat. ters, which are injurious to useful vegetation. On this I have not tried any decided experiments, but and led to the supposition by frequen ly seeing stones, some in a partial state of decomposition, others

has convinced me of the impropriety of using recent. ly dug peat; proceeding in the manner I recommend, it is superior, and more convenient on every account-much lighter to eart to the farm yard or any other situation where it is wanted; and so convinced am I of its utility in composts of every des cription of soil, except that of its own character, that wherever it can be laid down on a farm at less than 4s. per ton, I should recommend to every agri colturist and herticulturist that can command it. even at the cost here stated, to give it a fair trial. So retentive and attractive of moisture is peat, that if liberally applied to any arid, sandy soil, that soil does not burn in a dry season, and it so much improves the texture and increases the produce of an obdorate clay soil, if in other respects rightly culti vated, that actual experience alone can fairly determine its value.

For the conveyance of night soil and mine, we have the largest and strongest casks, such as oils are imported in; the top of which is provided with a funnel to put the matters through, and the casks are fixed on wheels like those of a common dong cart. For the convenience of emptying this carriage, the compost heaps are always lower at one end; the highest is where we discharge the contents, in order that they in some degree spread over the whole accumulation: the situation on which the wheels of these carriages stand while being discharged is raised considerably; this we find convenient, as the compost heap may be sloped six or seven feet high: low compost heaps, in my opinion, should be avoided. The plan here recommended, I have carried on for some time. I find no difficulty in manuring my farm over once in two years; by this repetition I keep up the fertility of my land, and it never requires more than a moderate application of manure.

I am fully aware that there are many localities where neither peat nor night soil can be readily obtained; but it is worth a farmer's while to go even more than twenty miles for the latter substance, provided he can have it without deterioration: the orig. inal cost is often trifling. On a farm where turnips or mangold are cultivated to some extent, the system here recommended will be almost incalculably advantageous; a single horse is sufficient for one carriage -- mine hold upwards of a ton each; six tons of this manure in compost with peat, or, if that is not convenient, any other matters, such as ditch scourings, or high headlands which have been properly prepared and laid in a dry heap for some time, would be amply sufficient for an aere of mangold or turnips. This manure is by far the most invigor turning. orating of any I have ever yet tried; bones in any state will bear no comparison with it for any crop; but it must be remembered that I write on the supposition that it has not been reduced in strength before it is fetched.

Convenience frequently suggests that compost heaps should be raised on different parts of a farm; but, unless in particular instances, it is well to have them in the yard; in it all the urine from the cattle stalls may be employed with the greatest economy; and be it remembered that the urine from animals, in given weights, is more powerful than their solid excrements.* How important then must it be to the farmer to make the most careful use of this liquid. It is sometimes carted on the land, but that practice will not bear a comparison with making it into composts in the manner here recommended. Great waste is often made in putrescent manures after they are carted on the land; instead of being immediately covered or incorporated with the soil, we not unfrequently see them exposed for days together in the hot rays of a scorehing son, or to the injurious infloences of a dry wind. I have before stated that compost heaps should on many considerations be raised in the farm vard; still, eircumstances are frequently such that it is more proper to make them at some distance in the fields. If a headland be. comes too high by frequent ploughings or working of the land, in that case it should be ploughed at the time when clover or mixed grass seeds are sown with a white crop, for instance, barley or oats, and elover for the year following: a headland might then be ploughed, and a number of cart loads of some manure heaped from one end to the other. Immediately after this it should be trenched with the spade (or what is sometimes called digging) and

ridged high, in order that an action should tak place between the soil and manure; by this mear the mass would soon be in a condition for turnin over, and any ditch scourings, or other matters whic had not in the first instance been used, might no be added to the mixture. The heap should then he allowed to remain closed for a few weeks, then turn ed over again; at this turning, in all probability, the mass would be much reduced; if sufficiently reduced; ced, raise the ridge of compost well on both side but, instead of its top being pointed, make a trene or cavity on the top from one end of the heap to th This cavity should be made tolerably reter tive of moisture, which may be effected by treadin with the feet; carriages of night soil or urine from the cattle stalls may then be emptied into the trench, and the bulk of the heap would determir how many were required; this being done, a lite earth should be thrown into the trench, and th heap allowed to remain in that state until the midle or latter end of autumn; it will then be ready for another turning; but at this time care must be t: ken to have the heap well made up at the sides ar pointed at the top; in this situation rain will I thrown off, and the compost preserved dry until wir ter presents some favorable opportunity for laying on the young clover, wheat, or for making any otl er use of it which may be required.

The beneficial effects of top dressing young che vers or mixed grass seeds is scarcely ever regarde with doe attention. By this help, crops are not only much increased, even 30 or 50 per cent., but the are also ready for cutting much sooner, which in backward spring gives the stock farmer inestimab advantages for sorting his cattle, and thereby raisir manure at his pleasure. The full effects of the practice I first experienced in the dry season of I82 I had some clovers which had been manured the previous winter; my land was soon covered wit crop, and that so vigorous a one, that the hot we ther did not overpower it. My cows that summ were tied up doring the day-time, and in the nigl they were turned out into the pastures; most of the stock in my district were much distressed from ove heat as well as from being short of food for son weeks; milk yielded little butter, scarcely any for time was offered in our large market town :doubt that year will be remembered by many gentl men on the Agricultural Society's committee. however, was under no difficulties on account the season: my clovers produced plenty of food f my cattle, and in return they yielded as much mi and butter as I ever recollect from the same nu ber. I am persuaded that the same satisfactory ! sults would have followed if the same system lu been adopted for feeding; it was that year my tention was first directed to raising compost hea from urine. This I now do frequently without th help of any dung from the cattle stalls; the san occasion called my mind to another matter w worthy every farmer's attention .- I allude to t great superiority of the manure raised in summ soiling to that produced in the stalls during wint I very believe the difference is fifty per cent., unk stock are fed in a great measure during winter wi artificial food.

In an arrangement for making compost hea from urine, I would recommend a receptacle to made at the back of the cattle stalls just outside t building; this should hold about twenty cartlea of mould, or any other matters to be employed; if. situation were a little lower than the cattle shee all the urine would pass into it, and there rema until the mass is completely saturated, which w be sufficient; when the earthy matters are coven over with it, the compost may then be thrown or and the proceeding again renewed. In order, show part of the benefits of this practice, I beg he to observe that the most foul or weedy mould be used; the action of the urine, if not reduced! water, is so powerful, that wire worms, black slu many other destroying insects, and all vegetable weeds, &c., when in contact with the urine for time, are deprived of their living functions. The situation for raising this compost should be protect from the weather by a covering similar to a ca shed; indeed the deteriorating influences of rain, so and arid winds, on all putrescent matters or con post, are so serious, that, in my humble judgmen it would be worth while to have places under con where these are usua'ly laid down.

I beg to conclude this essay with some observations made on a former occasion: No amelioration

some in a partial state of decomposition, other wholly decomposed in bogs, and at the depth of actual foot from the surface. Some years' experience

d with the rural art is of the more lasting ce than correcting the constitutional de-The best horticulturists and market s are many of them perhaps unacquainted theory, yet perfectly understand the great om that practice; and in this particular

farmers. How often do we see a stiff soil a great degree from that cause only; yet cinity of a sandpit and adjoining most bogs a considerable breadth of coherent land, ight be made double its present value, by and liberal top dressings of peat, which is oductive from causes of a contrary nature. ent poverty of many extensive tracts of manifest exhibition of the want of skill or of their owners and cultivators.

Public Lands -- Emigrants.

the year 1835, the sales of public lands had sed more than three millions per annum. In \$36, however, in consequence of the specu-nia of that period, the ssless of a single year to about fitteen millions, and formed one of pal items in the vast increase of the public In 1837, they were suddenly reduced to asual amount.

however, is the public domain, so great the h. both foreign and domestic, and so very fer-npting the broad plains of Illinois, Indana, I Missouri, that the permanent average public land sales is now very much increas-

rs that in the year 1833, the number of acros ,414,907. The purchase mone; \$4,305,-ring the three first quarters of the year 1839, s showed the following results:-

r 1839 was not deemed a prespereus year, that year we have the large amount of about s of dollars, received into the treasury on public lands. This may be deemed some-he future average receipts from this source

ippose 160 acres to be the average quantity each person, (and we suppose it is very near nust be 24,000 persons buy public lands each is number, as heads of families, represent ersons. Of this aggregate, about 70,000 emigrants, and the residue domestic popu-

nging residence. sult corresponds very nearly, we believe, tual fact. Such a fact as this shows bew population is changing, and with what gies the vast waves of the people move over our country. In ten years, more than a eople have meved from the shores of the ie Connecticut, and the Delsware, or the it lands of England, Ireland, and Germathis million will add from three to four onsand to their number, by natural inthus is the Great Western Empire extenits and multiplying its numbers in a con-

The Riches of the West.

hefore us the agricultural returns of nine of Monroe county, N. Y., containing 22,-The result is astonishing. It is proof of the immense and almost illimitable rebese beaven-blessed United States. These

ituous liquors, 2,200 bbls.

dairies, manufactures, &c. &c., we have p. But look at the result. Every living woman, and child, has in the electment, in the productions, 25 bushels of whest, 12 nts, 9 bushels of corn, 14 bushels of pots-

e is only a part! Such triffing affaire as

and 30 lbs of sugar.

a whole, these townships raise at least much bread stuffs as are necessary for ption, and other things in proportion!

But if the reader be a hule surprised at this, he will be more so, when he learns that these same towns made \$105,000 worth of butter and cheese; raised \$32,000 worth of fruit; made \$10,000 worth of home cloth; and produced \$450,000 worth of manufactured articles; or \$30,00 a piece for each living This affords matter for comment, not only on the physical but the moral condition of the county me physical but the moral condition of the county— None but a country in the highest moral condition, can produce as ha result. These people are not only well off, independent, but they are the richest in the world. Nor is this an isolated example. Our own Western Reserve will show the same result; so will many other districts.

Beside these wheat fields rise the village church and the village school. There are happy faces, young and old, around them. Long may they enjoy the peaceful fruite of happy, independent labor !- Cincinnati Chronicle.

Riches of Ohio.

We have taken occasion to illustrate the great resources of our country, and especially the Western portion of it, by the statetuces of a part of Monroe country, N. The result of "par inquiry was, that the people of that section octually raised near fice. times as much bread-stuff as they could consume, and therefore four fifths of it was positive profit.

We shall now continue the illustration of this fact, by the agriculture, statistics of WAYNE county, Ohio,

as published in the Wooster Democrat.
Wayn's county is a large county, containing some 700, or 800 square miles, on the great central table and of the State; partaking of the same general character as that vast plateau which extends from the foot of the Alleghames to the Mississippi. It is not intersected by any of the great internal improvements (canal or railroad) in the State. It is therefore a fair specimen of the agricultural condition of Ohio.

The county of Wayne contains about 8,000 mule adults, which may therefore stand as representatives of the families. Of these, 7,000 or 7.8ths of the whole are farmers.

We will now see what proportion of bread-stuffs, or what may be deemed the stuff of life to man, is

used in this county.		
Wheat,	bushel	8.
Rye, 50,000	44	
Buckwheat, 20,000	"	
Corn,395,000	44	
Potatees	"	
Of these articles we may exclude from	men	cor

which, though brend-stuff, is in Ohio chiefly fed to animals, and include pota oes, of which man is almost the only consumer. We have then, 945,000 hushel of grain, or its equivalent, used as the food of man. We have then, 945,000 husbels

Allowing the usual average for the consumption of these articles by the population of Wayne, and the result is that the people there raise four and a half times as much bread-stuff as they consume. In other words, of 4 hushels of grain raned in that county, 34 may be set down for exportation. In this great fact we see how it is that such enormous amounts of flour arrive at the ports of Buffalo and New Orleans. At Buffalon. lo, 27,000 barrels of Ohio flour arrived in a single day ! But this is only one side of the statistics of this coun-

٠.	I here are raised in it,		
	Oats,	543,000	bushels.
	Hay,	38,000	tons.
	Wool,,	120,000	lbe.
	Sugar,	177,000	"
	Horses and Mules,	82,000	
	Hogs,,	35,000	
	Sheep,	75,000	
	Бисер		17001

And, we may add, there are less than 1500 barrels Whiskey made in the county.

We give these facts as specimens of the domestic industry, and the substantial wealth of this prosperous We doubt whether any thing like it can be found in the history of nations. It is every man (with few rare exceptions) sitting under his own (not vine and fig tree) fruit trees, looking over his own waving fields, enjoying the rewards of his own labor, secured by wise and equal laws, under a free government and a merciful Providence. It brings us back, in idea, to the days of Abraham, with the addition of blessings which Abraham knew not of. woman, and child, has in the dyotment, blessing which Abrunsin Riew not. This is the productions, 25 bushels of whest, 12 morrary in America, which is the receds the community, 0 bushels of carn, 14 bushels of potations, 0 bushels of carn, 14 bushels of potations, 0 bushels of carn, 15 bushels of potations of Philosophy for the sange of Provy to be of sugar, &c. Or any head of a family seen, felt, and understood

..... CHranicic.

The Ohio Farmer gives the following mode of making apple molasses, and we have no doubt that it is more awact, and for some varease superior to that it is all a

made by boiling down the juice or eider; for this will he likely to change in some measure by the vinous fermentation, before it can be boiled down .- . I merican

"APPLE MolASSES .- There is many a good housewife who has more fault in her own experience than in the science of chemistry, that knows not the value of apple molasses; but still believes it to be the same kind of tart, smoky, worthless stuff that has from time immemorial been made by boiling down cider. It is not within my province, at this time, to attempt to convince such that there is a chemical difference, though it might easily be shown that they are almost as different as sugar and vinegar. I would, however, invite them to lay aside their cider this year, and try the plan of boiling down the juice of the apple that has not been exposed to the air by grinding and pressing.

Last autumn I placed a number of bushels of Wetherill's sweeting apples in two large brass kettles, with water just sufficient to steam them: when they boiled soft, I turned them into a new splinter basket, containing some straw, and placed on them a barrel head and a heavy weight. The juice was caught in a tub. This was repeated un. 11 had juice enough to fill the two till the kettle, when I commenced boiling down, and attended to it strictly, till it became of the consistency of cane molasses. The native acids of the fruit, im of cane molesses. The native acids of the fruit, imparted a peculiar flavor, otherwise it could hardly be distinguished from the syrup of the cane. It was used in my family for making sweetments, pies, for dressing on puddings and griddle cakes, and a variety of other purposes. The cost of making is very triling, and the means are within the reach of every former.

Horticulture.

BY MRS. LYDIA H. SIGOUL UNEY.

If the admirstion of the beautiful things of nature, the has a tendency to soften and refine the character, the culture of them has a still more powerf ul and abiding

cutture of them has a still more powerf at and availing influence. It takes the form of an af, ection. The seed which we have nursed, the tree of our planting, under whose shade we sit with delight, are to us, as living, loving friends. In proportion to the care we have bestowed on them, is the warmth of cut regard. They are also gentle and persuasive teache re of His goodness, who causeth the sun to shine and t ae dew to amid the distil; who forgets not the tender buried vine the root snows and ice of winter, but bringeth forth long hidden from the eye of man, into vernal s or autumnal fruitage.

The lessons learned among the works of nat. ure are stlessof peculiar value in the present age. The reness and din of the rail road principles, which vades its operations, and the spirit of accumu. perntion dity, which threatens to carrode every generous sensible are modified by the sweet friendship of the quanta. The toil, the hurry, the speculation, the a ny den reverse which mark our own times, beyond a that have preceded them, render it peculiarly saluta for us to heed the admonition of our Saviour, and tal instruction from the lilies of the field, those peacelu denizens of the bounty of beaven.

Horticulture has been pronounced by medical men, as salutary to health, and to cheerfulness of spirits; and it would seem that this theory might be sustained, by the placid and happy countenances of those who use it as a relaxation from the excitement of business, or the exhaustion of study. And if he, who devotes his leisure to the culture of the works of nature, benefits himself-he who beautifies a garden for the eye of the community, is surely a public benefactor. He instile into the bosom of the man of the world, panting with the gold fever, gentle thoughts, which do good like a medicine. He cheers the desponding invalid, and makes the eye of the child brighten with a more in tense happiness. He furnishes pure aliment for that taste which refines character and multiplies simple pleasures. To those who earn their substance by lapleasures. boring on his grounds, he stands in the light of a ben-efsotor. The kind of industry which he promotes, is favorable to simplicity end virtue. With one of the sweetest poets of our mother land, we may say,

"——Praise to the stordy spade,
And patent plough, and shepherd's simple crock,
And patent plough, and shepherd's simple crock,
And let the light mechanic's tool he hailed
With honer, which coassing by the power
Of long companionship, the laboret had,
Cot off that hand, with all its world of nerves,
From a too basy connected with the leart."

Lady's Bonk.

BEAUTY -- whiter all, the most natural beauty in the add is honorary and provide the bound is rough. BEAUTY.—After all, the most natural beauty in the wild a honesty and truth. For all beauty is truth, the features make the beauty of a face; as the meaning of the beauty of architecture; as the meaning of the beauty and music. In pocity, which that of barmony and music. Tr_1

CENSUS AND STATISTICS OF MONROE COUNTY.

TOWNS.	Population.	Horses & Mules.	Neat Cattle.	Sheep.	Swine.	Wheat raised '39	Oats, 1839.	Corn, 1832.	Polatocs, 1839.	Tons of Hay '39	Pounds of Sugar made.	Wood, cords sold in 183)	Dairy Products, in 1839.	OrchardProdets in 1859.	Home made goods, value.	Stores, Groceries &c., and capital invested.	Carriages and Wagons value manufactured.	Value of manufactures—mills.	in the last
Mendon,	3456	1094	2537	12572	3778	84903	44705	32565	37644	3721	11540	1345	*9330	*4211	\$6592	\$27000	\$1300	147170	1
Penfield,	2842	826	1926	5746	3336	49022	36812	23907	61648	23+2	6186		4776				2200	98600	ŧ
Perinton,	2513	747	2239	6208	2933	62489	31773	24112	43 64	2738	8461	1472	9336	3192	5581	18500	1000	28490	ķ
Brighton,	2337	689	1313	4223	2210	33589	21397	15717	49450		1300	3752	6489	3920	2295		500	7700	b
Webster,	2235	668	1966	(274)	2353	35047	27-95	21945	41066	2823	6120	1145	£676	4122	6094	9000	2000	18025	ŀ
Henrietta,	2085	776	2146	9589	3 54	79446	33866	22646	31210	3851	200:6		8411	5168	5008	30000	4500		E
Pit sford,	1983	639	1531	5195	2349	45809	19669	14225	21007	2100	2875		6680	4260	2691	33000	1000	26000	Ť.
Rush,	1929	673	1690	7209	2706	67979	25451	19457	20531	2215	13190	1153	4020	2645	3187	10500	300	21200	P
Sweden, ?	884			- 000		1							0000			*****			P
Brockport,	1249	844	1778	7690	3777	61802	23999	21136	26204	2441	16~60		8967	3714	5172	57000	4070	23400	ŀ
Clarkson,	3186	1103	2964	9776	5161	71865		33853	52133	3453	16351	1331	12358	2980	7786		1200		k
Ogden,	2404	765	1663	7813	3104	60606	29892	22710	34956	5183	21245		8125	3168	5724	1.800	1200		L
Parma,	2652	823	246.	7410	38 6	48688	35774	24975	43795	3127	12669	957	11403	2801	5445	11200	1550	32500	I
Greece,	3669	986	2559	6791	3×59	60349	31080	28606	80253 29373	3637	7018 2327	10074	$\frac{41246}{6184}$		4696	5400	470	4355	ľ.
Wheatland,	2871	753	17.29	9849	3016	106929	17529	22631	24668	2950	21175		6385	3083	3160 4650	45900: 11000		251250	P
Riga, Chili,	1983	774 789	1637	12354	3517	79117	25826	20012	326-2	2685 36~5	9406		9272			18500	1000 760	6410 31232	1
Gates,	2174 1728	4931	1032	3293	3074	67475 36390	35904 16319	21313 13926	4 001	2220	2056		40 11	2964	1550	1000		715082	ľ
Irondequoit,	1952	129	725	1507		1=067	6676	11150	22895						530	1000	000	2600	ı
Rochester,	20129	3139	1506	892		18155	11819	11705	24440			4300	5580					1851975	ıt
Teronester,	40120	013.7	10110	052	9204	10196	11010	11700/	24440	1490		ļ	6500	1550				1001915	ıŧ
TOTAL.	64861	12992	32071	127468	51213	1041405	497860	38 9 8	677624	48715	179661	41287	176114	69716	81288	329950	28575	257062 7	l

For the New Genesce Farmer. Agricultural Societics -- Legislative Aid.

Messas. Epirons-The increased circulation, and great improvement, of our agricultural journals, and the formation of the numerous agricultural societies. with their splendid exhibitions, the past season, afford cheering evidence that the cultivators of the soil, at beginning to realize the importance of useful instrue tion and practical improvements.

I am also glad to perceive that farmers begin to think it is time for the Legislature to assist them in the landable work of improvement. I am not strenuous respecting my individual views, but it is my pre sent opinion that an agricultural survey of the State would meet with less opposition, and perhaps be more generally useful at present than appropriations to county societies, provided the societies can be sustained without such aid, but if they cannot be otherwise sustained, then, I say, the sooner such aid is obtained the better; for I consider their support rery essential to agricultural improvement.

I am aware that many objections are brought against our societies, and some of them not without renson. I do not suppose it is possible to conduct them in such a manner as to please all; but it appears to me that some plan can be devised by which many of the most serious objections might be removed, and the usefulness of the societies be made more general and extensive. It is my opinion that premiums ought never to be given for single acres of produce, unless for the purpose of introducing some new production; as it too frequently withdraws the attention of the farmer from his other crops, and the large amount of the premium crop when compared with average productions, often causes doubts as to the correctness of the statements; and the love of preeminence often cause. the unsuccessful competitor to feel dissatisfied,

If we can obtain Legislative aid, our societies should be remodeled; and I will now suggest a plan for the purpose, in hopes that some abler pen will improve it, or propose a better.

Respecting the amount which the Legislature ought to appropriate, I nm of the opinion that \$200 for each member of Assembly would not be too great a sum for the Empire State to bestow for the encouragement of productive industry; and it ought not to

i would suggest that each county society consist of the usual officers, together with a publishing commitee; to hold annual Fairs for the exhibition of stock, productions, implements, and domestic manufactures; but no premiums to be awarded to individuals at the ounty Fair-the towns only to compete. The money received from the State by the county, to be diviled among the towns, according to their ratio of population, provided they raise an equal amount by voluntary contributions, and conform to the requisitions of the law. Each town to form a society auxiliary to the county society, to consist of the usual officers, together with a viewing committee of three, whose duty shall be to examine the farms and crops in the town, nt least twice in each season, and make an annual report of their inspections, to the county society. These reports should contain, as far as practicable, an agriculural survey of each town; and the committee men should receive a compensation for their time. Each town society to hold an annual Fair, at least one week previous to the county Fair, and to award premiums to those who raise the greatest average crops, and to the persons exhibiting the best stock, &c., as usual. Each person receiving a premiom at the town Fairs, to be required to attend the county Fair; where the towns, and not individuals, are to be competitors. Each competitor to give all necessary information as to raising, breeding, &c., as usual, and all the statements and reports to be handed to the county committee for publication.

Any towns neglecting to raise the necessary amount. their quota of the public funds to be distributed among the other towns, but any town raising part of the sum required, shall be entitled to an equal amount from the remedy of H. E. Hubbard, following his commun public fund. Any county neglecting to comply with the requisitions of the law, of course the money would the "foul in the foot," a disease quite distinct fi emain in the State treasury.

I think the foregoing plon would remove many of he objections which are made against our present sonetics, and would bring the improvements more geneally home to each cultivator. If the towns would mostly co-operate in the plan, there would be splendid county exhibitions.

to raise a sum equal to that which is received from the subject, in order that the best plan may be devise adouted. Respectfully yours, W. GARBUT

Wheotland, January 22, 1841.

Remarks .- The plan proposed by our este orrespondent, embraces many suggestions dese of consideration; but we apprehend that a difficul which he allades in his closing paragraph, will some years at least, prevent the possibility of it cessful application. There are not a sufficient her of spirited farmers in the majority of towns cure their co-operations. The plan is new to us, ever, and we hope to hear from others on the sul - Ens.

Hoof Ail.

We wish to call the attention of our correspor N., whose communication on this subject appea another column, to an experiment reported in eighth volume of the old Genesee Farmer, page by Heman Chapin, of East Bloomfield which had been slightly affected with hoof ail, bu nearly recovered, was fed (mixed with bran) one a day of the ergot of spear grass, which had been fully obtained and cleaned for that purpose, uni had eaten a bushel of it. It did not produce the sl est apparent effect on his health, although often closely examined. On the 189th page he will fir account of several entile affected with the hoo which were fed wholly on corn stalks. These, the fact we have often observed, of cattle eating the winter through, which contained vast quantiti ergot, without being at all affected, serve at least throw doubt on the opinion our correspondent exp es. The remedy he proposes, of sawing the we have found the most effectual of any tried.

ion, given from the Cultivator, we presume applied the hoof ail, and which is also cured by the applicat of hot tar, which is done by rubbing a hot iron ! dipped in tar, between the claws at the upper part the foot.

Market for Cocoons.

We are asked if there is any market for eocoom this vicinity. If any person is desirous of purchast be for less than ten years. Each county society ought I hope others will communicate their views on this them, we should be glad to be informed of it.-D

IMAGAZINE OF HORTICULTURE.

and all useful discoveries in Rural affairs d by C. M. Hovev., Boston—40 pages, ddy—\$3 per year. M. B. Bateham, Agent,

rster.

any—So per year. M. B. BATHIAN, Agent, ester.

anve received the first number of the 7th vothis excellent Magazine, and observe the editional coally agent the friends of hortigulars for the state of the st

this excellent Magazine, and observe the editjustly calls upon the friends of herticulture for ase of patronage. We approbe ad that nothing ant of a proper knowledge of this work can its receiving a liberal support. It is the only al of the kind in the United States, and will ar by a comparison with the most popular maga-

England (which it very much resembles,) narseryman and professed florist, it will be disponsable to a knowledge of the various iments and discoveries which are constantly ma-And the annateur gardener or florist will find it we zest to these delightful pursuits.

xtract the following article from the January

orticulture in Western New York.

now two years since any report was given in gazine, respecting horticulture in Western rk; and, although we cannot boost of any vancement, we are unwilling that old General be quite forgotten in your annual retrospardening. A lew years ago, it was thought action of country would make rapid progress tife and ornamental horticulture; but a cloud raity came over our prospects, and we were ad 12 conline our attention to the accessaries, lect the luzuries of life. It is believed, howards brighter day begins to dawn, and prosperiagain smile upon us; so that we still hope to tertile region become as eclebrated for its attain horticulture as it now is for its natural res.

and space, at this time, will only allow me e at a lew of the principal gardens, and I shall my remarks to those which have green-houses, seliceter, the green-house and nuisery estable, commenced in 1834, by Reynolds & a, is now owned by Mesers. Ellwanger & who have renoved it a little out of the city, bunt Hope Cemetry, where they have purchase piece of ground, and erected a good green-adh hot-house, which are already well stocked ints. Mr. Ellwanger has imported some fine mostly Cacte and camellias, from his native, Germany. They are making arrangements thing an extensive nursery, and if industry and II insure success, these young men will suicely

ursery of Mr. Asa Rowe, six miles from Rois the oldest and most extensive in this vicini-Ir. Rowe has a 'arg green-house, and a good and comm n p auts, but, owing to the small for rare | la its, he has not added many sortment of late. His attention is mainly beto the growing of fruit trees, of which his we heen extensive.

William King has erected a small green-house rity, the past summer, and made a good beginil things considered.

ester cannot yet boast of one private greenalthough many families cultivate plants in their Mr. S. O. Smith, a gendeman of wealth e, is now creeting a fine dwelling-house, and building a enservatory next year; when that, others will doubtless follow his example.

nt Hope Cemetry deserves, at least, a passing Many improvements have been made there tyear, and in summer it is a place of great but now, it is desolate and gloomy, and so it wer be, during more then half of the year, uncitizens take example from your own Mount 1, and intersperse it liberally with erergreens, a ornament of which we are saddly deficient.

haffalo, there is no perceptible improvement.—
it, Eaq., the great patron of horticulture, died
ing, and the improvements which he had proand commenced, have been discontinued and
ed. His stately mension is unfinished and unad—and the garden, and fine range of horticulidlings, give evidence of the loss of that masit, of whose taste and liberality they are now
monuments.

nursery establishments of Messrs. B. Hodge, d A. Bryant, appear in a thriving condition.

They both have green houses attached, but complain that the sale of plants is quite limited. The good people of Buffalo are fond of display, and

The good people of Buildo are fond of daplay, and take great pride in building large and costly houses, but do not seem to regard hordenfural embellishment, and, consequently, they waste their wealth without producing the desired effect. If they studied the matter aright, they might save thousands of dollars, and, at the same time, display for more real taste and beauty about their dwellings.

At Banwin, the garden and green-house of D. E. Evans, E-q., are, as a sund, kept in good order, by Mr. Logno, the gardener. This is one of the oldest gardens in this region. The collection of Iriti, &c., is of the very best description, but the assentient of plants is rather ordinary, not having enough of new and rare kinds to make it interesting.

At Genesco, a green-house and grappery were creeted the past year, at the beautiful residence of the venera ble Jama Wadaworth, Esq. The green-house was creeted for the gratification of Miss Wadaworth, who has a time taste for bottomy and florientlute, and has already obtained a good assortment of plante, including some rure kinds. With her good taste and ample means, it may reasonably be expected that her collection of plante will, in a few years, he superior to any in this section of country.

At Canandaigus, the green-house of John Greig, Esq., is in excellent condition. The plants are mostly of common kinds, but many of them are very large and heautiful. A striped agave (Agave americana var. vanegata) is the largest of the kind that I have ever seen, and Mr. Greig says he intends to take measures to bring it into flower, if possible.

Capt. S. Menteeth, residing near Connadaigon, sent security to the fair of Rechester, in October, but I have not had time to visit his house, or obtain information resoccing h so lonts.

There have been no horticultural exhibitions in Western New York, this full, except in connection with the agricultural fains. We hope to give a better account of Rochester next year.

M. B. B.

Rochester Dec. 21, 1840.

"Rooks never make Farmers,"

A number of our readers have very justly objected to some positions taken in the article in our last number from the National Ægis. The article contains many excellent remarks, but the assertions are not strictly true, that "books and learning will never make farmers"—" that to be a farmer, a person must fnecessarily begin when a boy."

Experience, it is true, is essential; but we have known instances where farmers, not educated as such, have acquired from one year's practice, more know-ledge of the operations of farming, than others have through twenty years of apprenticeship. Indeed, some of the very best farm rs we know of, spent the early period of their lives in far different pursuits. "A long life, without industry, attention, knowledge, and indgement, is insufficient to make a good farmer; but with these requisites, a few years will accomplish wonders. Every kind of knowledge which tends to expand the mind, tends also to improve the judgement, and enables us better to perform any kind of business whichever.

We wish to be distinctly understood,—a mere load of the memory is not knowledge. The objection

One instance, out of many which might be given, is that of Judge Buel, which is doubtless familiar to unany of our readies. A few weeks helper his death, he made the follow-readies are few weeks helper his death, he made the follow-to "book farming" would read. "Bred to a mechanical basiness, Itook was a firm to the properties of the street of business of my life. Without the pretensions or concerts which we are all apt to acquire in the long practice of business, I began farming with a consciousness that I had every thing to learn, and that the eyes of my neighbors would be quick to detect faults in my practice. I at once, therefore, sought to acquire a knowledge of the principles of my business, and m the practice of the most entitle head and a periodicals; and by these I have been greatly benefit ted. Although it does not become me to herald my success, I will venure to say, to encourage others, and particularly the young, in the work of self-instruction and improvement, that my lands, which are light and sandy, and which oost, in an uncultivated state, thirty dollars an new, are now worth two hundred dollars in ance, for farming purposes; or in other words, that the next profit of their endure, exceeds the interest of two hundred dollars in acce, for farming purposes; or in other words, that the next profit of their endure, exceeds the interest of two hundred dollars in acce, for farming purposes; or in other words, that the next profit of their endure, exceeds the interest of two hundred dollars in acce, for farming purposes; or in other words, that the next profit of their endure, exceeds the interest of two hundred dollars in acce, for farming purposes; or in other words, that the next profit of their endure, exceeds the

made so often,—of the welcseness of school learning in the common affairs of life,—is valid only in relation to the learning which young people acquire, but do not understand—which they commit to memory but do not know how to apply in practice. It is valid rather in case of superficial, than of therough knowledge. If our public schools were more occupied in teaching the application of learning, than the mere theory; and directed the attention more to the art of living, than the mere art of remembering, most of the objections made to them in this respect would fall to the ground.

Rohnns vs. Meshannocks.

Messas. Entrons—Having noticed the statement of Mr. P. Briggs, in the last number of the Farmer, and wishing to induce him to "try again," I will inform bin that I raised 37 bushels of Robans the past summer, on 9 rods of ground, which is at the rate of 657 bushels to the acre, and an increase of 98 fold on the quantity phaeted. On comparison, it will be seen that my robans yielded 134 bushels per acre more than Mr. Briggs' meshanpocks.

Now, if friend Briggs will make another trial with me, and publish the result through the columns of the New Genesec Farmer, I will acknowedge it if beaten.

A FRIEND TO AGRICULTURE. Danby, Tompkins co., Jany. 13, 1841.

Another Small Crop.

Messas. Epirons—Your last paper contains an account of a large crop of Potatoes. With your permission, I will give you an account of a small crop.—
About the middle of last May, my father had a small Rohen potato given bim, weighing 2 onnecs. This he ent into 18 pieces, of one eye each, and planted them in 9 hills. On the first of October be dug from the 9 hills, 1 bushel and 10 quarts, which weighed 783 pounds; being an increase of 630 to one.

In order that my father may be able to raise a larger crop next season, please send him the New Genesee Farmer for one year, addressed, Horace Fowler, Hanover, Jackson co., Michigan. Yours, &c.

T. F. F.

Stabling Milch Cows.

We have been much surprised, at the increased quantity of milk cows afford from being stabled in winter, which some recent experiments have proved. A near neighbor suffered his cows, from necessity, to run in the open air, during the enly part of winter, and, as usual, their milk greatly diminished in quantity, although they were well fed on hay, and mengel wurtzel. He then stabled them, without changing their food, and taking care of course to give them plenter food, and taking care of course to give them plenter food, and taking care of course to give them plenter food, and taking care of course to give them plenter food, and taking care of course to give them plenter food, and taking care of course to give them plenter food, and taking care of course to give them plenter food, and taking care of course to give the milk they did when exposed. A similar experiment by the writer, has proved nearly equally successful.

How to keep a Village Cow.

Transplant sugar beets 15 inches apart, like cabbages, but with more care, in every spot or space you can spare in your lot or garden. If the land is worked well and early, they will tend themselves after two or three light hoeings, and grow large enough to make a mess each, with the addition of a quart of shorts seasoned with ground oil eake. Here is sugar, gluten, starch and oleaginous matter to boot. With such slops, a cow needs nothing but a little straw. S. W.

RATS. A writer in the N. E. Farmer has effectually prevented rate from gnawing holes in the wood work of his house, by pouring upon places where they were at work, a strong decoction of Tobacco. They will not eat wood saturated with Tobacco. Many will hongr their taste.

Sketches of Travel.

Newport, R. I., July 1.

Here we are at A. C. M's, delightful cottage. For me to attempt to describe the measure of my conforts and pleasurable sensations here, would be labor lost. I have been within higher and more massive walls, where the decorations of man's invention spoke more worldly splendor; but here, in the midst of Nature's magnificence, there is in union with it, in this house, a chastened simplicity and neatness of arrangement truly admirable. Our unpretending hostess is one of those intellectual females who regulates her mansion with noiseless efficiency. If her rules partake of the self-denying discipline of that society, in which she is a "bright and shining light," even the more worldly of her immates are too well bred to wish to infringe them.

But who can, in this delightful spot, desire the sound of factitious merriment, the gross amusement of mere sense? Sufficient for me was the all-subdning influence of Nature's charms. Every morning at day dawn, I opened my chamber windows and set ajar the blind to look out upon the old shingled wind mill, Brindley's little pond and old rope walk, the narrow-walled lanes and neat little fields, where I had so often played in my boyish days. The deep continuous roar of the breakers on Easton's beach, was now more andible than at any other hour. I felt that this same reverberating roar was the music of my boyhood—forty years had neither impaired its freshness nor its power.

"States fall-arts fade; But Nature doth not die."

At the close of this day, while sitting in the front piazza of this delightful cottage, looking down upon the quiet town below, and the resplendant bay and islands beyond, I saw some half a dozen chaises, accompanied by two or three modern buggies, returning from a ride of pleasure on the island and over its beautiful beaches. Each vehicle held a lover and his mate, as if mystified by the tender passion, or perhaps only with feelings imbaed with the power of Nature's more magnificent attractions, the whip cracked not, and the horses trotted lazily along. How different is all this in Western New York. There our young people bundle into one or more large carriages or carryalls, drawn by two or four of the fastest trotters. John like they drive -all is life and noise and nonsense-putting the horses to the top of their speed, as if to annihilate time and space to the manifest jeopardy of life and limb .-This, said I to my wife, speaks the difference be. tween the Yankee and the New York character. The one is economical, even in his pleasures; the other loves stronger excitement, he even carries his enterprising spirit into his amusements.

Sunday morning, went to Friend's meeting. This venerable house, with all its accompaniments, reminded ne of other days, save the absence of those hoary heads which now "were not." Here was no longer a D. B. or C. R. on the high seat; no T. R. with his full bottomed whig below; no G. W. with his huge ivory headed cane, on the high seat in the wing. This huge wing was also razed, and gave a concession to the republican feelings of these after times; but the same ponderous oaken beams supported the quaint looking roof, the attic and the galleries. This unity of strength and plainness, a work of the 17th century, carried a sentiment of reverence with it.

I have sometimes heard apparently thinking mencomplain of the inksomeness of the hour spent in the silence of a Quaker meeting. I can only say, let such an individual take up his cross for this single hour. If he is poor, let him take to himself the

rich promises of that Gospel, which was in the beginning preached, first of all to the poor. If he is rich, let him employ this brief hour in examining his own heart, to the end that he may not incur the penalty pronounced against the rich man, hardened in sin and scliishness.

In the afternoon, we went to old Trinity. The congregation large, fashiouable, attentive. The evening service was read by the venerable Dr. W., with a pathos and unction suited to the holy purposes of its office. What contrite heart will say that these forms of glowing piety, framed by the saints of old, are a "killing letter?" If such an one there be, may he be compelled to listen a full hour to the dull sermon of a man who has no reverence, no spiritual nature in him.

The subsoil of R. Island is dark clay, but unlike the clayey regions of the West, it is here intermixed with stone and gravel, and so compact as to he very difficult to excavate. On the surface small boulders of slate, flint, and granite, abound. The upper stratum is also relieved by sand or gravel. At the North end of the Island, below the schistous formations, anthracite coal is found; but it is more friable, and of course less valuable, than the anthracites of Pennsylvania. The predominant rock is coarse gray wacke slate: it bounds the head lands at the South part of the Island, forming with its thick annual coat of rock weed, an impenetrable barrier to the ocean's increasing surge. Also at the South part of the Island, there are valuable quarries of building stone, and some few ledges of irregular granite, too full of scams for such uses. I know of but one ledge of lime rock, and this is principally under water at high tide. It is coarse in texture, and nearly white; bearing little resemblance to our own deep blue fine grained earboniferous variety. But if Nature has furnished us of the West with her more fertilizing fossils, limestone and plaster, here she dispenses her blessings in ano her shape, with no niggard hand. Here the everlasting ocean not only yields its vast shoals of the oily munhaden fish to the net of the fisher, but every eastern gale drives to land an endless variety of marine vegetables and shells, in such abundance as to furnish both lime and vegetable matter to the grateful soil.

Indian corn, rye, oats, and barley, are the principal grains grown on the I land. It is said that in an carly day wheat grew well on the opposite Island, Conanicut. Hence its present failure may not altogether be attributed to the influence of the sea fogs. Grass seemed to me, at this time, July 1, to be the most promising crop. Such Timothy (Pileum pratense,) now in full bloom, I rarely ever saw in the dry, hot, champaign West. The Locust, (Robinia pseud-acacia,) together with many other ornamental trees, do not thrive well on the Island. The Buttonwood (Platanus occidentalis) is the only ornamental tree which seems to thrive gracefully here. Perhaps the pure damp sea air is quite as congenial to it, as the mephitic vapours of the Western creek and river bottoms. S. W.

Gardening for Ladies.

The accompanying amusing and instructive observations are taken from an excellent article in the Gardener's Magazine, entitled "Instructions in Gardening for Ladies," by Mrs. Loudon:—

dening for Ladies," by Mrs. Loudon:—
To derive the fullest enjoyments from a love of flowers, it is absolutely necessary to do something towards their culture with their own hands. Labor is at the root of all enjoyment. The fine lady who has a nosegay put upon her table every morning by her gardener, has not a tenth of the enjoyment from it that the lady has who has sown the seeds, or stuck the cuttings, and watered and shifted, or transplanted, prunded and tied up, or pegged down or thinned out the plants, and at last gathered the flowers herself. But

we would have ladies of leisure do a great deal than this. Let them hoe, and rake, and dig wheel a barrow, and prune and nail wall trees, a syringe, and work one of Read's garden engil By these, and similar operations, they will health, without which there can neither be good per, nor any kind of enjoyment whatever, men corporeal. The grand and all pervading evil a ladies of independent fortune, is ennui, which, body knows, is brought on from a want of rations active operation. Now the pursuits of hotan gardening supply an occupation which is at rational and active; and they supply it not to the lady who has merely a love of flowers out a scientific knowledge of botany or a test the arts of design, and who may, therefore cul-her flowers, and perform her garden operations, out a greater exertion of mind than is required to gardener's labor; but to the scientific lady, who tanical knowledge, like that of the scientific card may enable her to raise many kinds of flowers, f and culinary vegetables, by the different process quired for that purpose; and to the lady of arti taste in drawing, painting and sculpture, who direct her attention to landscape gardening, and especially, to the designing of flower gardens, am introduction in them of the various kinds of ments of which they are susceptible; a subject of sent as much in its infancy as botany was before time of Linnæns. But, eavs some of our res "What, the Duchess of -and nailing wall trees?" - wheeling a bar Yes, certainly, if she nothing else to do, that will be an occupation eq active and rational. Why not a Duchess as well plain mistress? Suppose this Duchess at work it garden, and that you are not aware that she has Suppose her dress in the simplest manner were the Vicompte D'Ermenonville's wife and du ters in the gardens of Erntenonville,) what we would there be then? Ladies of rank are as a subject to ennui as ladies without rank; and ever dy, as well as every gentleman, has a portion of day that she can call her own, when she may ind in what she likes. If she has not, her life is worth keeping. Did not the Earl of Chatham, withstanding his being prime-minister at a period most important that ever occurred in the annals of country, find time not only to lay out his own group but to assist Lord Lyttleton in laying out Hagley We insist upon it, therefore, that what we propor just and suitable and necessary for ladies of the hig rank as it is for these without rank, provided they equally without active and rational occupation of a other kind.

The following excellent communication dese an attentive perusal from every mother and dau ter in our land; and in behalf of our fair readers, tender Fanny many thanks. At the same time think she has mistaken the meaning of Annat and applies the hickory without real cause. We not helieve that Annette meant to "attribute the discontent and unhappiness of farmers' das ters to a mis-education, and put the blame quachers and seminaries." In the communicat referred to, she was only speaking of a certain of of daughters, not of the majority; and we the an attentive perusal of her several communication will show that she does not reason altogether "logical circles."—Ebs.

Farmers' Homes. Wives, and Daughters. Messns. Editors.—I noticed, in your Decembrancher, another chapter of grievances from Annabath and Thanksgiving, Christmas, and N. Year days to attend to, (which are the climax of enjoyments in the country,) no time was sllowed reply last month; and although I feel no disposition criticise, or drive my amiable combatant from the fiestill I think a little sprig of kickory from Wals Grore, may serve to drive her from some of her leg call circles.

In your July number of last year, she attributes the discontent and unhappiness of farmers' daughter to a mis-education, and puts all the blame upon test est and seminaries. Now she says that teachers the

inaries are made to bear the blame of "inconsidefathers;" but I think, if she keeps on, she will ie round to the right point yet, and find that in the ily circle the mother is the law and tesimony, and "like mother like child" will still be the motto. would not pretend to say that there are not avariis, penurious men, whose recalth consists in the nenulation of their possessions, and not in the enjoynt of them, and who would deprive their families the comforts of life, that they may compound their erest or add farm to form, to be considered rich in eyes of the world, -or that there are not indolent inefficient men, who, if they can be fed and thed from day to day, care not how or whither. ere are procrastinating men, too, who are never dy to do any thing in its proper time; but these I sider the exceptions to the general rule, and not hat a majority of the farmers of our country, ening a competency," are of either class. But admit y are .- the mother, seeing these traits in the father, the sole power of correcting it in her children; d if she is a judicious mother, and understands the losophy of human nature, she can do it without ever stroying the confidence of her children in their ier.

It is from the mother children receive their first imssions of right and wrong. It is her voice that ecks their wayward steps during the day, and hushthem to sleep at night. If sickness comes, mother vays has a remedy-the natural qualities of every other ensure to her en unbounded influence over her ildren. Their character must also be formed in ildhood. If they are to be virtuous, the seed must sown in the spring-time of life. It is then the ocpation is selected, taste is formed, habits contracted d principles planted—" as the twig is bent the tree's clined;"-but it needs not the strength or power of syllogism to prove the assertion-the fact is self evint-that these must be imbibed in early life, planted d nurtured by the hand of a mother. Her example written indelibly upon the table of their memory, d her peculiarities must serve as an infallible stanrd. Now, think ye, if the daughter has been eduted to be industrious, and to bear her part in the dues of the family, and to be contented with such things she may have, "working diligently" to improve er condition, whatever it may be,-that there is noing "within or around" that home to make it lovely or attractive," and she, nevertheless, un-

We will take a most extreme case. Take an unlucated man, devoid of a refined taste, on avaracious, enurious man, and, if you please, let him be a peeish and a fretful man, who wants nothing but what ill bring dollars and cents. He has a wife and aughters of refined taste, who like to blend the ornaiental with the useful. Let the daughter go out ear-, in the morning when she sees her father planting eans or cucumbers, and say, Father, I will drop your cans for you, if, when you get through, you will help ne put out a beautiful rose bush I got vesterdey. Why, child, what is the use of all these rosies and poies around the house ! they wont pay our debts or my bread. I know they wont, father, but it wont ake you but a minute to do it, and then it helps make he old house look so much better, and makes mother and the children so much happier when they see every hing around looks cheerful and pleasant; and this litittle Burgundy rose is mother's favorite, you know. I do not believe the most clownish, pecvish, fretful man, could resist such an appeal from an affectionate daughter; for "soft words will turn away wrath," and love will beget love; and the unconscious father will not only set out the rose bush, but enjoy its fragrance too.

We will take a still more important case. Say they want a new fence around the house, and the house painted. The mother and daughters now say,-If inther will let us have the butter and cheese we make this summer, we will paint the house and have a new fence, &c. But says the indolent, inefficient, procrastinating man .- Oh! we can't afford it: besides I want all the butter and cheese you can make, to pay for the new wagon and borness we have been getting. But says the daughter,-Father can have all the avails of the farm for that, only let us have the butter and cheese, and we will do without a hired girl, and do the work ourselves. He must be something less than a man, and a man with a competency too, who would not only yield to such wishes, but rouse from his indolence and prograstination, and do all he could to aid them; and I am confident that in ninc cases out of ten. Annette will find, if there is nothing " within or around a country home calculated to please the mind, or delight the eye of an intelligent daughter," it is the mother's own fault. She has not brought up that daughter to industrious, frugal, and economical habits. She has sat her down in the parlor, a dressed up automaton, living and dressing upon the hard earning of somebody; and whatever may have been her school education, her home education has been all wrong; and not possessing energy of character sufficient to rise from her indolent habits, she sits down to enjoy her ennui, dissatisfied with herself and every body else, and consequently unhappy. And if she were thirsting for knowledge, and the father unwilling to furnish her the means of allaying that thirst, there is not a literary gentleman in all the region, that would not delight to open his store-house of literature to feed a starving intellect; for in these reading days, nothing is more rare than an exclusive library.

Happiness has no locality. It is not the city or the country, the brick or the wood house, the mahogony or the pine furniture, the Brussels or the rag carpet, that can make a discontented mind happy, or a contented unhappy. Home, to a contented mind, will be home, and have its charms be it ever so humble.-If Annette will go with me, I will show her a happy country home-not a thousand miles from a citywhere dwelt a father, mother, brother and sister. That home was truly attractive, and that daughter was a happy one. "She had much to gratify her taste, and call into exercise those faculties which afforded her the highest kind of enjoyment." She had "the fragrant rose, the climbing honey-suckle, the shady bower and the vine-clad arbor;" but her own hand wotered and trained them. And when she would "luxuriate on nature's charms," she would ramble o'er her native hills, by the winding brook, the shady grore, where she could

"Converse with nature, and commune With nature's God."

and never was she less alone than when alone.

There was much around that country home " calculated to please the mind and delight the eve." The birds from the forest came at her call; an old wren for vears built her nest in a gourd shell that she hung in the well-curb, and her favorite robin when molested always knew that in her she found a friend to drive away her foes. She could feed the chickens or milk the cow; she could wash, or bake, or iron; all of which did not prevent her thumbing the piano, or "tripping the light fantastic toe," nor exclude her from the most refined circle in the city; and none enjoved her rural home more than did her city friends. And there was much "within" to make that home delightful-there were happy hearts and cheerful voices, and the hospitable board that ever made welcome both the stranger and the friend-that home was truly attractive; but not more from the wearied and

care-worn father, than from the mother and their only daughter; and that daughter was none other than

Your humble servant, FANNY

Walnut Grove, Jan. 11, 1841.

The Education of Females. - The proper training of Farmers' Daughters.

I like your correspondent Annette, much better than I do her antagonist " Home-spun Farmer ;" beeause, like a true woman, her errors are not of tho feudal age. She says, "public sentiment, and the spirit of the age, now require that females of the rising generation, should receive a higher degree of education than was formerly deemed necessary."-In the depth of her sympathy with her sex, she might perhaps relieve them a little too much from the wholesome drudgery and petty details of domestic life, and suffer them to go a little too far into the more expensive refinements of the age; while, on the other hand, her antagonist, and his exponent. of the Ægis, " Franklin," seem to forget that "man lives not by bread alone." They appear very much to dread that a female should be educated above her condition in life; but it does not seem to have entered their philosophy, that education, and a pious one too, can alone fit a woman to hear aright. those ills which "flesh is heir to." Is it reserved alone to the wealthy to indulge in intellectual pleasures? Does not the honey suckle elamber as gracefully, and bloom as fragrantly, on the rough exterior of the log cabin, as on the piazza of the gayest cottage of art? Must every poor widow too, stifle the yearnings of a mother's heart, and compel her fatherless daughters to live in somebody's kitchen; to be hourly reminded, by unqualified command from the mushroom daughters of her mistress, of her hopeless servile condition? Did Franklin ever read the story of Cinderilla? If he has, does he blame any fair, delicate young female, for shrinking from Cinderilla's wrongs, even if she were certain of Cinderilla's final reward? Frank lin is so much a man of the past linsy woolsy age, that he seems to forget that the revolution which those modern improvements, the STEAM ENGINE. SPINNING JENNY, and POWER LOOM, have made in mechanics, calls for a correspondent social and mo ral improvement, and modification of labor and cm ployment. He even limits woman's reading to five books, including the Bible. Annette might possibly err on the other hand; but we want to hear from her again on the subject of the proper training of farmers' daughters. Woman alone can do this un. derstandingly-she is less an animal than man. It has been beautifully said of woman, "that in her rich heart, God more generously sows the divine germs of his holy religion;" though "she will sometimes sell her birthright for TINSEL and the ADMIRATION Of DECEITFUL LIFS." Yet in the main. her purity of heart is "her strength, her loveliness, her primal excellence." Is she not therefore the only safe and legitimate teacher of her own sex ? LUBIN.

SONNET.

WINTER. The scene, how changed! The winds of winter, wage Eternal warfare with the leafless trees; And morn and even, the elemental rage

Dulls the cold heart, as springs their channels freeze ! Where are the children of the woods? the bees-

The songs of birds that wake the woodland train ? All, all are gone, and like the locks of nge

The pendant icicle the wondman sees, And feels the blood run chill in every vein,

Season of cold! when round the ingle cheek Young children gather, and the hoary sire Looks o'er the assembled group, and feels the bleak

Cold hand of death upon him, which the fire Of youth no more will come, its icy spell to break! London, U. C., Dec. 21, 1810, J. N.

The following communication is from the pen of one whose experience and learning entitles him to more than ordinary regard. We hope to receive further remarks from him on this all-important subject; and feel assured that our readers, who are parents, will find his suggestions deserving their consideration .- Ens.

For the New Genesee Farmer. Education of Farmers' Children -- No. I.

MESSES. EDITORS-I have not been wholly pleased with the articles on the education of furmers' families, which appeared in your paper in the last year. I approved many things; but some things appeared rather distorted, and others to be neglected or omitted. I thought, too, that mothers were censured beyond their proportion.

There are two prominent mistakes on this subject, which need correction. The one is the notion that a farmer's condition is rather inferior; the other respeets the kind and quantity of education.

1. The first mistake is made and continued by farmers themselves. While the condition of the farmer is one of the most independent, and his profession as bonorable as any, and for less annoying and inksome, and is far more free from temptation and passion, there is a constant effort to leave it and to engage in some other pursuit. The sons are often prepared for some other business; the daughters are educated for another sohere. All this tends to depress the notions of the usefulness and respectability of an agricultural life. True in-leed, some of their sons must have a collegiate education, and engage in some of the more learned professions, and some of their daughter must be the wives of such men. But the great body of the sons must continue in the occupation of their fathers. While the men of the learned professions fill the more important stations, as a great fact, and the sphere of their influence is greatly enlarged, and while their pursuits may in one respect be allowed to be superior, in the general rank the farmer's place is important beyoud estimation. If the other is considered as the eves and hands of the system, the latter is the very backbone of the country. Without the latter, the former would be powerless and unnecessary. For this place their sons should be educated, and their daughters too, as this place they will chiefly fill. The worth. the dignity, the respectability, the usefulness, the security and independence of this place, should be known, ncknowledged and felt. Then will the action suit the thought.

9. The second mistake comes more within the scope of education. The kind and quantity of education, is material. In the lower class of farmers, both sons and daughters have only very ordinary advantages. In the highest class, which is not large, both enjoy nearly equal means. In the middle and great class. the daughters have far the grentest advantages. The reason is, that the sons are needed on the farm in the summer, and cannot so well be spared in winter. The daughters therefore attend the select schools and academies for a much longer period than the sons, and having equally active minds, they study to better advantage and inske greater acquisitions. They become more delicate and refined in their manners; they see and hear more of the world; they are able to converse and to show off to greater advantage. They have, in fact, far more of cultivation to show off, and far more of that which will be interesting to society. Hence it is that they are raised above their brothers, and will naturally seek the society of those who have more congenial acquisitions. The sons of farmers are thus thrown into back ground, mortified, repelled. They wonder at a state of things over which they have no control, and the daughters are often blamed and reproached for not finding their pleasure in the society

of those who have not been edurated so as to be on an equality with them. Hence it is that many a young former is obliged to find a wife among those daughters who are not quite on his own level, and who are not so well fitted for their place as he is. How often a farmer's son is sent to a higher school for one quarter, and then he must be upon the farm. He has hardly been able to get well employed in study, when he must leave, till another season will give him another quarter. The daughter less rarely has only one quarter at a time for her improvement. She has not indeed enough of time for improvement; let her not have less; but let the son have more, much more,-However much the sister may have, let the brother have far more means of education. Farmers' sons need to be raised in the scale of their qualifications for usefulness, and enjoyment on their farms, as well as for influence in society. Then will their wives he raised to a higher character also, and a nobler generation will appear. When a highly educated female has allied herself with a young farmer of good talents and disposition, of activity and enterprize, though he may have less of education and refinement, because he has not been able to acquire them, who has not seen with delight the plastic power of the wife in moulding and elevating and refining her husband. She becomes in a two-fold sense, a help meet for him . "She looketh well to the ways of her household, and eateth not the bread of idleness. Her children rise up and entl her blessed; her husband also, and he praiseth
D. C.

ENGLISH MARKETS.

LONDON, JANSARY & ISSUE-AS GRAND MARKETS.

LONDON, JANSARY & ISSUE-AS great unprovement has taken place in the manufacturing districts. Coston goods asspecially have been in very active demand, and at advanced prices. The money marke, is also assuming a more healthy tone. So that with moderate stocks of produce generally tones for the state of the produce generally of the produce of the produce generally of the produce of the produce generally costs. Market as when the produce is the produce of t

RN MARKET.-Average price for Wheat for the last six weeks; for the week ending Nov. 20.4, 66s, 84; 27th, 60s.; Dec. 4.4, 50s. 7d; 11th, 58s. 404.; 15 h, 50s. 1d.; 48th, 50s. --Aggrega e for the six weeks, 50s. 404.—dairy 27s. 8d. The raryals are pretty large. English wheat is saleable at the currency of a fortugly ago; red 628, at ls.; white, 678, a 78, Layermon, Corw Marker, Jan. 2 - American Flour, free, has sustained laterates, but has been rather slow of sale, the best markets of United States and 38, C madian at 38, to per bbl. A little United States has been sold, in bond, export, at 25s per bbl. or export, at 26s per bbl.

January 4.—American Flour, in bond, 25s 61. & 36s, but

these prices could not be relied upon in the face of large inportations. American Wheat, in bond, 5s 3d. a 5s 6d. per bushel.

NEW YORK MARKET-JAN. 27.

CORN EXCHANGE .- Flour was held firmly through most of the week, but the news from England was unfavorable, and the week, but the news from England was unfavorable, and on Sa_urday holders were result to sell, but there were very few buyers; 550 bbbs. Geogese were however taken on that day for England, at \$4,34, 1000 bbs. Geogetawn sold at \$3,22, small parcels of Howard street an Hattimore Giy at \$3, 2, and some New York at \$5,000 Brandywine at \$5,00. Corn Meal sold in puncheous at \$13, and bils, at \$2, 2, 8, c \$0.000 at \$3,37. In wheat the only parcel sold was 2500 merror Long Island at about 5 cts. bu. The else considerable Schoese wheat, say 100 to \$1, 50 at one, held at 1.5 sulcrable Genesce wheat, say 100,000 Lu. in store, held at 1.5 a 6 c.5. There were no sales of Hye. A cargo of very handsome Delaware Corn was sold on Frid.y at 57 cts, weight, but a very fair atticked was offered afterwards at 36 cts. The distillers buy Song Deland Corn at 36 cts. Northern Outs may be quoted at 24 cts.; Pennsy twards and Jersey, 314 cts. Southern, 32 cts. (Early is held in store at 35 cts.). But the Desirable Park recognition to all returns because the state of the same part o

Provisions.—Beef and Pork are abundant and very heavy. Pork especially droops: there were sales at \$ 0,25 Mess at \$12,50, and more is offered at the same rates Prime Pork especials, and more is offeren as assumed these at \$12,30, and more is offeren as assumed the set of the set o

plenty since the resumption in Philadelphia and the conside rable sums received thence. The Banks discount all the sat-isfactory business paper which is offered them, coming within 10 days. There is very little paper in the street. Balls on trance and England were heavy through most of the week, wing in part to the large sums drawn for by the U.S. lank. There are courrangements now making for the shipa 90 days Bank. There are courrangements now making or an sing-ment of Specie, though the Havre packet of the 1st February ry will take \$20,000, chiefly arranged some days ago. The rates of Domestic Exchanges improved on the whole, and so

did Money Stocks

Business Generally.—It will be seen that a good degree of Besiness Generally—It will be seculated a good-degree of activity has existed in several of the articles mentioned in this Review, and there is a healthy feeling pervading the marks generally. The importations of manufactured goods are quite large, and the sales by auction are commercing on a large scale. The merchan's generally are successful in their fishes, not so condition to increasing from month to huntil without particles.

Erratta.

Besides several unimportant typographical errors in this January No., the following have been noticed as affecting the sense.

On page 2, col. 1, 6th line from bottom, for pippins read "Pip Same page, col. 2, 25th line from top, insert the "Ken tish," &c. Same col., 11th line from bottom, for Cretian rea "Chretian," Page 12, col. 2, line 7 from the bottom, fo yields read "yielded." Same page, col. 3, line 6 from hot tom, for particular, trees rend "particular trees ' Page 13 eol. 2, line from top, for forest, where read " forest. Where,"

BOCHESTER SEED STORE--1841.

THE subscribers have made complete arrangements for transhing all kinds of Signs from this establishment as usual. Large importations have been made, in addition to he supplies raised in this country. No pains will be spared the supplier raised in this country. No pains will be sparse to have the Seeds of perfect quality, and give satisfaction to their cestomers. Agents will be supplied, as usual, if the principal places of Western New York—Particular next month. BATEHAM & CROSMAN. Rochester, February 1, 1811.

MOUNT HOPE GARDEN & NURSERIES,

ST. PAUL STREET.

ROCHESTER, NEW YORK.

THE Proprietors of this establishment offer for sale and A extensive assortment of Fruit and Ornamental Trees, Flowering Shrubs, Green House Plants, Bulbous Flower Roots, Do able Dahi', as, &r &c. Gordens laid out, and Gardeners furnished on reasonable

notice.—Persons requiring information on any subject con-nected with the business, will receive a prompt reply. All orders, letters of inquiry, &c. must be addressed (post

paid) directly to us. Trees, Plasts, &c., will be carefully packed, so that they be carried to any part of the country in safety; and pack-will be marked and shipped as may be designated in the Persons with whom the proprietors are unaequainted, are

requested to give a satisfactory reference, or name some person in the city of Rochester, who will guarantee the payment.

ELLMANGER & BARRY. Rochester, Dec. 1, 1840.

TIMOTHY SEED WANTED, At the Roches-

ROCHESTER PRICES CURRENT.

CORRECTED FOR

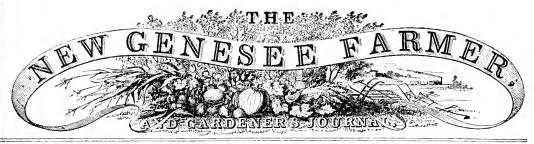
THE NEW GENESEE FARMER, FEB. 1, 1947. WHEAT, ... per bashel, ... \$ 78 a \$ CORN,.... " 371 ŎĂTS, " 22..... 95 BARLEY, " 31..... 50 75..... POTATOES, " 19..... 22 APPLES, Desert, " 38..... 4 I Common, " 25..... 31 Dried, ... " 44 75..... CIDER,..... barrel,.... FLOUR, Superfine, "..... " Fine," 100..... 150 4,25 3,50..... 3,75 SALT. 2.00..... PORK, Mess, "10,00......1 1.00 8.00 9.00 44 Hog, 100 lbs.... 3,56...... 4.00 BEEF. " 3,50...... 4,00 POULTRY, per pound, 6.... EGGS, ... per dozen,
BUTTER, Fresh, ... per pound 14.....

"Firkin, ... "10..... 16 124 CHEESE,..... " ... 6.... LARD, " ... 7..... TALLOW, Clear, " 8.... ... 5..... 75..... 871 PEARL ASHES, ... 100 lbs...5,00..... POT, " ..4,50..... WOOL,pound, ... 35..... HAY,ton, ... 7,00 40. 8.00 GRASS SEED,....bushel,...,00...... 1.50 CLOVER, "....." " ...6,50...... 75..... PLASTER, (in bbls) per ton, 6,00..... bulk (at Wheatland) 3,00

Our sleiging has nearly evaporated, and but lit Remarks — Our surging has nearly ecaporated, and next in the is doing in market. Wheat is purchased only in limit ted quantities for the retail flour trade. More is doing la Corn, Oats, &e., but at low prices. The Pork trade is near-ly over: prices same as last month.

The rouse market is a lid to be worsh improved.

The money market iss id to be much improved. A very large sale of Dry Goods, at anchon, took place has week. It was well attended, and fair prices obtained.



I. B. BATEHAM, F. CROSMAN.

Proprietors.

VOL. 2.

ROCHESTER, MARCH, 1811.

JOHN J. THOMAS, NO. 3. M. B. BATEDAM. Editors.

PUBLISHED MONTHLY. TERMS.

FIFTY CENTS, per year, payable always in advance. Post Masters, Agents, and others, sending money free of pstage, will receive seven copies for \$3.—Treatice copies for 5.—Treatiy-free cupies for \$10. The postage of this paper is only one cent to any place tithin this state, and one and a half cents to any part of

United States

All subscriptions must commence with the volume. Volume 1 (stitched) can be furnished to new subscribers. Address BATEHAM & CROSMAN, Rochester, N. Y.

CONTENTS OF THIS NUMBER.

Sowing Locust Seed. Raising Fruit Trees from ngs. Raising Chestnut Trees for Timber. Ornacars. Sowing Locustics. Cuttings. Ruising Chestnut Trees for Timber. Ornamental Plants.

old Vice Pens. Produce of one acre. Domestic Indusold Vice Pess. Produce of one acc. Domestic Indus-try—Weaving Lime, and its application. Spronting Garden Seeds-Haising Onions... ots and Horse Bees. Use of Swamp Muck. Receives —To Kill Lide on Cattle—To make Calves eat Routs— To make Wisconsin Mince Pies—Indian Loat Bread— Wisconsin Spronge Cake. Summer all the year. (Hot for Fouth Acne. 40 of Correspondents. Graham's Magazine, and Godey's Lady's Book. Genesee County Agricultural Society. State Boardy on Silk. Large Hogs, "Frank." Reports of the Markets. Advertisements. Prices Current 45

Triumphant Success.

We congretulate the friends of this paper, on the necess which has thus far attended the 2d Volume. We commenced the year with an edition of 20,000 opies, and some of our friends thought it was too great a number, but present appearances indicate that we were not mistaken; for if the friends of the cause continue to exert themselves, as they have done the past two months, this large edition will soon all be sirculated; and then who can estimate the amount of good that our monthly messenger may accomplish ?

Hare patience with us. Owing to the flood of letters, which daily pour in upon us, we are sometimes compelled to defer attention to them for a day or two; and sometimes (thoughnot often) names are not entered correctly. We regret these evils and endeavor to avoid them, and hope, therefore, our friends will not scold too severely, or tax us postage on their complaints. Postmasters, when requested, will generally inform us of inacuracies.

Some of our subscribers complain that their papers de not reach them till some days after the lat of the month. We cannot help it. We wish to obmin the month.

reports of the Markets, &c., up to the 1st, and therefore cannot go to press earlier. Then, notwithstanding we use a Power Press, it takes quite a number of days to work off so large an edition. The whole are mailed as fast as possible, and should all reach the subscribers before the middle of the month.

Post Masters and agents in Canada, who wish to send us instructions respecting the direction of the papers, are requested to direct their letters to the Post Master at this place; otherwise we are subjected to

Post Masters and Agents are particularly requested to write the name of the Post Office, County, and State. It is sometimes almost impossible to decide ichat State the place mentioned is located in.

Uncurrent Money.

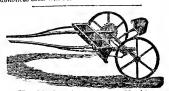
Bills on solvent Banks in this, and the Eastern States, are at par with us Canada, Pennsylvania, and New Jersey, are 5 to 10 per cent discount.—Ohio, Indiana, Kentucky, and Illinois money, is 6 to 8 per cent.; and Michigan is 121 per cent. discount.

We hope our friends at a distance will take pains to send us the best money they can obtain. not refuse any of the above, when sent us free of postage, and nothing deducted for commission; but the amount paid by us for discount during the year, is a serious item

Monroe County Agricultural Society.

By a notice in another column it will be seen that the Genesee Agricultural Society, organized in this city last year, and intended to embrace several counties, is now to be confined to this county, and called "The Monroe County Agricultural Society." The reasons for this change are numerous. When this was organized, there was no society in Genesee, Ontario, or Wayne counties, but now each of these have societies of their own, and other counties are expected to organize. Besides, it is expected that some aid will be granted by the Legislature, and if so the law will confine the societies to single counties.

The Petitions are daily presented to the Legislature, and if any persons have petitions with signatures in their hands, they should send them in without delay No report has yet been made on the subject, but doubtless soon will be.



Hatch's Broadcast Sowing Machine.

This machine has been exhibited at several Fairs, and used on several farms in Western New York the past fall, and has been spoken of in high terms of praise. It is calculated for sowing all kinds of grain, broadcast, and is particularly valuable for sowing lime

Mr. Hatch, the inventor, is now in Rochester, moking arrangements for building machines. We intend to give a more particular account of it next

"Rochester Seed Store Catalogue" -- 1841.

The annual Catalogue of the Rochester Seed Store is sent as an extra with this number of the Farmer, and should be preserved by our readers. The agents named for the sale of aceds in other places, will receive their supplies in a very few days .- Catalogues are sent gratis to all applicants.

Hints for the Month.

Every farmer should be able, if not already so, to answer the following questions in the affirmative:-

Is your stove and other wood, for use next summer, all cut and piled up or seasoning? And have you plenty of wood sessoning for next winter's use? Are your chips all collected and secured for fuel?

Are your tools, for the approaching campaign in farming, all in first rate order ?-your ploughs with good points, beams sound, bandles firm ?-your rakes and harrows with teeth, your hoes and forks with handles? -your harness in good repair, and well oiled?

Are your tools all the best of their kind, so that the additional work they will perform, will pay for themselves ten times over before next fall?

Are you provided as far as practicable against borrowing tools?

Is there a place for every thing, and every thing in its place, so that you need not waste the richest portions of your time next summer in fruidess searches?

Are your farming implements all well painted where needed, to preserve them from decay?

Are your fences all in good repair-loose rails laid un-low fences made higher-board fences well nailed-stone walls not tumbling ?

Are your cellars kept clean and pure ?-your roots in them in good sound condition ?-your apples kept assorted, the decayed from the sound?

Are the water furrows in your wheat-fields kept open and deep, so that you may not loose bushels of wheat by the want of as many minutes work?

Are your grafts cut-the best kinds chosen-your grafting plasters made ?

Is the additional attention given to cattle and sheep, especially to the latter, which this critical period of the year requires ?- the feed increased, the quality improved?

Have you procured the plaster you intend to s w, so as to have it on the grass early, that it may receive the full berrefit?

Are your farm and garden seeds all procured?

Do you understand the best way to make and save manure-that steam engine of farming operationsand if not, have you endeavored by reading and observation to find out?

Most farmers will perhaps be busy this month in preparing to answer the above affirmatively, after which we should be glad to make further suggestions.

Those of our readers who wish directions on gardecing for this menth, are referred to the copious instructions on the subject given in this paper the last

Board Fence.

There are three methods of making board fence, all of which without doubt are familiar to our readers; but our motive for describing them here, is for the purpose of comment.

The simplest kind is made by setting the posts, and nailing on the boards—nothing more. It is deficient in strength, and ought never to be adopted nor recommended.

The second kind is made by adding a strip on the top of the poats, which adds materially to the strength of the fence; but it affords no protection from the rain either to the nails or to that part of the bosrds that are in contact with the posts. In consequence of being thus exposed to the wet, the wood decays, the nails rust, and in a few years dilapidation commences. *

The best kind of board fence resembles the latter method, by having a strip on the top of the poets; but it reaches for enough in front to cover upright strips which are fastened by naile passing through the boards into the poets. These protect the joints and most of the nails from the wet. This kind of fence is not only very strong, but very durable; and not liable to get out of order if a nail or two should chance to be defective, as the upright strip must give way before the boards can fall down, or get out of place. The additional expense may be considered as insurance.

There is another kind of insurance however, that should not be forgotten: This is plugging the posts with salt. In 1824 William Philips, of Philadelphia county, wrote to the secretary of the Pennsylvania Agricultural Society as follows:—

"In 1803 I planted four gate posts of Delaware oak, of very inferior quality; a two inch auger hele was bored through them, filled with salt, and plugged at both ends. As they were to support highly finished gates, they were cased with boards, and some sait put inside of the case near the ground. The posts are now as sound as when put down, and bid fair to last for some generations to come."

We should presume however, that posts already set, or to be set, would not require to be bored through, if the direction of the auger be properly gauged; and then one plug would answer.

Preservation of Woodlands.

In looking round the country, we find the most common management of wood-lots to be as follows: Cattle and sheep are allowed to range through them; and all young trees within their reach which they are fond of browsing, such as the maple, the basewood, or the elm, are effectually destroyed. Oak and hickory also suffer; and between being overshadowed by large trees and nipped by live stock, they soon become worthless and stunted even if they survive.

In the mean time the axe and the tempost are gradually thinning the primeval array of the forest. A sound tree is wanted for a sill or a beam; or the necessary supply of rails for the farm; and declining ones are prostrated by the storm, or cut for fire wood. As the residue stand more distant from each other, the leaves which formerly supplied an annual covering for the roots, are now swept away by the winds; the grass gote possession; and though young trees will often flourish in the open pasture, old trees which have always atood in the crowded forest, cramped and confined in their roots, are not prepared for the change; and the lot from a wood gradually becomes a shady pasture.

Yet it is necessary for landed proprietors to look forward to the next generation; and our advice would be: Inclose your woodlands, allowing no live stock to run through it that can damage the smallest tree; for though there may be a correnience sometimes in violating this rule, yet it will be paid for at a dear rate; and it will be cheaper to hire pasture of a neighbor even at a high price. Let this inclosure be sacred from all intrusion of the kind.

But large trees and small ones will not flourish together; and when large trees are felled there is frequently a destructive smashing among the juniors of the wood. When the farmer therefore wants rails and fire-wood, let him cut down a portion annually, say a quarter or a half an acre, sparing nothing that he finds on the ground, but let the axe and the brush-hook perform their respective parts. Even saplings will make durable rails, if cut at the right acason—not of the moon but of the sun,—in summer, autumn, or the early part of winter; and then the young growth will have nothing to overshadow it. On the reverse, it will soon overshadow the whole ground, retain the leaves as they fall, and have their roots protected from the cold of winter, and the heat and drought of summer.

We believe it is not an uncommon opinion that oak, chestnut, or hickory lands, are the only kinds worth preserving for an undergrowth; but we have never seen a more thrifty wood than one that was principally maple, elm. ash, butternut, and basswood. The latter kinds indeed are more injured by cattle than the former; but when they have not been destroyed, and have a clear field, their growth is very rapid.

Working Butter.

It has been a custom in our family, time out of mind, not to use any water in working butter, under the impression that the latter would be injured by such contact, and disposed to become rancid. Instead therefore of washing out the buttermilk, it is earefully worked out with a wooden ladle. The following extract from the account of the Holstein dairy eyestern lately copied into the New Genesee Farmer, "will explain the whole affair. We copy it again lest some of our readers might pass it without notice.

"The churning heing completed, the butter is taken off by means of a large wooden ladle, and carried in a tub directly to the butter cellar, where, in a large trough, very smoothly polished off inside, and provided with a plug hole at the lower extremity, the butter is slightly worked, and saited with the purest salt; then monided with a wooden ladle into a mass at the upper end of the trough, and let for some hours to drain. In the evening it is thoroughly beat or rather shapped.—

displayed.—
"The butter in Holatein is seldom if ever washed, as water is believed not only to rob it of its rickness and flazor, but as being itself succeptible of puttefaction," and inimical to the preservation of the butter.

* Volume 2, page 3.

Florist.

From Eaton's Botanical Dictionary modernized for I840 we copy the following:—

"Florist. One whose employment is that of creating monsters; that is double and various colored; as carnations, double roscs, &c."

Folks who are fond of queer things will be pleased with this definition; but those who look more gravely at such matters, may wonder how it ever found its way into a Dictionary of Scientific terms! They may even be inclined to think it not only vituperative but unjust; and unfortunately the learned professor has furnished his old friends with no evidence to the contrary.

As early as the year 1832, * we ventured to call his attention to this impropriety—for so we must consider it; and indulged the hope for a time that he had profited by our admonition. Were we mistaken? We will state the facts: Its tail has been snipped off, but the nucleous is left to shine with its original splender.

Some sort of an apology might possibly have been invented, if the Dictionary had contained a notice of other professions, such as botanist, horticulturist, &c., but nothing of the kind has been found; and apprehend that some will not resist the impression that he has run off the track to have a cut at vegetable "monstera."

A more serious view of the matter however may be taken. Was the learned professor in the line of his duty, as an instructor of the young, when he wrote that definition? It is a caricature, uncalled for, and unworthy of such a place. The true definition, which we copy from Webster, is as follows:—

"FLORIST. A cultivator of flowers; one skilled in flowers."

Field Beets.

A respected correspondent at page 23, ascribes the lose of his beet crop to their having been planted so late as "May 24th;" but we did not plant our Mangel Wurtzel (Vol. 1, p. 130) until about the 7th of the month following; and we think that if he had seen them a short time before they were gathered, he would have spoken more favorably of the beet culture.

There is a great difference between the labor necessary to secure a crop of potatoes and a crop of beets, In topping the latter we used no knife; but wrenched off the leaves with our hand—a much more expeditious way; and the beets scarcely required any digging. A great proportion of them came up very easily; and we filled our corn baskets long before a potato digger would have unearthed half the quantity.

That experiment of ours which ran counter to the opinions of some good farmers in several particulars, and succeeded in all of them,—has given us much estifaction. The time of planting however, was later than we would recommend, except in a case of necessity like our own; but the exemption from hard frosts until late in autumn, was most favorable,—for they were not gathered till in the 11th month. In some years undoubtedly they would have been damaged by such exposure.

We think one cause of our success was in the scalding, which hastened the germination of the seeds. They were put into a vessel containing about two quarta which was then filled with boiling water, and left to stand for several days. Those who are afraid of hot water bowever, may use that which is only tepid; but we would earnestly recommend that the seed in no case, be planted dry or without soaking.

Another cause of our success was in using fresh manure from the stable in all its rankness; and we hope that the practice of our friend "Senkea" on this point, as well as our own experiment, will remove all fears in regard to this important auxiliary.

Trimming Orchards.

This is a very necessary and important operation. Large apples of the same sort are better than small once, not only on account of the size, but the flavor is more perfectly developed,—especially when they grow well exposed to the sun and air. Our rule is, the higher the color, the higher the flavor, of that particular kind. Now when the branches become crowded and proportionately stunted, we have no right to expect fine fruit; and the only remedy is judicious pruning.

Writers have differed in regard to the best time of performing this operation, some preferring the winter

^{*}Some persons paint their fences, and then a part of this objection is removed. For farm fences, however, this process is too expensive; though sometimes those parts of boards and posts that come in contact are painted—a very judicious precaution. If throwing hot nails into oil, prevents their rusting, a board fence is the very place to try them.

^{*} Genesce Farmer, volun e 2, page 77.

^{*}New Genesee Farmer, volume 1, page 147. He would render our journal more interesting by using his own proper signature: and we earnestly request that all our correspondents do the same.

season, and some the summer. Both seasons are favorable, but the sooner it is done the better. If any former from indulging in theory should prefer the latter period, let him first consider how it will agree with his other business; and if it should appear clearly that he will have nothing to interrupt him when summer comes, well and good—let him defer it till that time. If on the contrary, should his corn-field, or potatoes, mending roads, or any other service, be likely to interfere,—let him make up his mind at one, to do it now before the sap begins to flow, if possible; and remember that a coat of paint over the stumps of the larger limbs when amputated, is worth more than all the theory that has been invented.

Now a few words in regard to the manner. Cut the under side of large limbs first, to prevent them from epiliting down; and in cutting of all limbs, whether large or small, be careful to have as little naked wood as possible,—leaving it very smooth, neither jagged, nor split, nor haggled. For this purpose, the saw is the proper instrument on most of the large limbs; though a broad chiesl on the end of a pole, and even the axe in dextrous hands may be used in some situations; but then let none but dextrous hands touch it. Most of the trimming in our orchards, is miserably done.

For the New Genesee Farmer.

Experiments in Feeding Beets.

Messes. Editors-Every writer who intends his articles for publication, particularly in giving experiments which may induce others to make a similar trial, should be very careful in giving the detail; also, that he has not been deceived himself, lest he deceive others. It frequently happens, that different individuals arrive at different conclusions in making the same experiments, (I mean experiments like the one at the head of this article.) For instance, my friend, D. T. stated to me, some one or two years since, that he considered mangel wurtzel a valuable crop for wintering swine. He said, "he had fed them to his as their principal food. They were very fond of them. and kept in good condition through the winter." The past fall and present winter, I have endeavored to test the value of various kinds of beets as food for store hoge, and om fully convinced that they are the cheapest, and, at the same time, as good keep as can be raised for wintering swine. I fed them to my fat ting hogs, for their first feed in the fall. I washed and boiled them, mashed them fine in the liquor they were boiled in; then, after standing a few days, fed them to my hogs. They ate them with great avidity, and gained flesh as fast as they afterwards did, fed on new corn in the ear. I did not, however, feed them long enough (some 8 or 10 days) fairly to test their value, as food for fattening perkers.

Samuel Guthric, in an article headed, " Experiment in feeding Sugar Beets," (Cult. & Far., Vol. I. page 113,) says, " I washed and boiled the beets, and fed them profusely for two weeks. The hogs devoured them most ravenously; but on making a careful examination at the end of this time, to ascertain the progress I had made in fattening them, I learned, to my surprise, that they evidently had gained nothing. One large sow put on an appearance so we begone, that I induced a charitable friend to take her off my honds free gratis." The experiment was carried still further, by adding a peck of potatoes to a bushel of beets, and tried two weeks longer, but the improvement was barely perceptible. Then potatoes and bcets, in equal quantities, were fed one month more, when they had gained about as much as the potatoes alone would have improved them. "I had now," he says, "17 hoge left, including two beautiful Berkshires, of full blood, &c. As I had provided little clse than beets for their sustenance, and as I had de-

termined to give the root a fair trial, I continued to feed them, adding corn and bron, as seemed indispensable, through the winter. This spring I have 14 left, having lost three during the winter; all of which, except the two Berkshires, are miserably poor. These Berkshires, without, to my knowledge, having fared better than the rest, have not apparently suffered at all, but are in fine condition. I attribute this, in some measure, to their domineering spirit, and to their greater industry: for they are intolerable monopolists, and in perpetual action." Something then depends on the breed; for had they all been Berkshires, we may infer they would all have been "in fine condition" in the spring. Three died during the winter ! Did they starre to death? Or may we infer that they were diseased, or had not a comfortable shelter to keep off the pelting storms and drifting snow of winter ?

"Much depends on the breed, os every farmer knows; much on the health of the animal; something on the season of the year. I failed in attempting to fatten several swine in one case, though they were carefully attended, and various kinds of feed tried; and the failure was totally inexplicable until they were slaughtered, when the intestines were found corroded with worms, resembling those found in the human stomach; and this, I have no doubt, prevented their thrift. The same fact has occurred in another instance, and with the same result. I failed in attempting to fatter some other swine, which had been driven a considerable distance and exposed (probably not half fed on the road) to severe cold and storma."

My store hogs were fed for some weeks on beets alone. Not having a full supply, I have fed them, of late, alternstely with beets, potatoes, and corn, all in the raw state. The beets and corn they est with the same greediness, but the potatoes are a drug. They squeal over them for some time, and then reluctantly eat about helf their ration. Another fall I intend to lay in largely for mangel wurtzel and sugar beet, and shall, the coming season, cultivate them accordingly.

I had supposed it to be an established fact, that cattle would fatten if fed sufficiently on beets. But Samuel Guthrie's experience (in the article above referred to) is in the negative. He says, "To one cow, designed for slaughter, I fed some forty bushels in thirty days, and this without making ony perceptible improvement in the condition of the animal." I shall have to refer to my friend D. T. again. He tells me he has fattened a beef, this winter, principally on beets. "For the fattening of a bullock, forty or fifty pounds of beets per day, mixed with five or six pounds of dry fodder, will accomplish the object in four months. Care must be taken to give it in three separations, since by feeding often and in small quantities at a time, the same amount of nutriment goes farther." t

Since writing the above, the 1st No. of the 2d. vol. of your valuable paper has come to hand. I was much gratified to find an article [page I1, copied from a "Western paper"] on "Beets for Cattle." The comparative value of beets and potatoes, as food for cattle, I am of the opinion, is rightly estimated. The writer says, "In feeding the same animal with beets, it was easily told that one third less than of turnips or potatoes, would make them give the same quantity of milk of better quality, and they showed better keep. The same writer also says, "Young animals [cattle] are peculiarly found of the raw beets, and thrire astonishingly on them." Exactly the same with swine. Farmers, store well your cellars with beets, and make a fair trial. Feed your store hogs and cattle on them one winter, and you will be convinced of their value, and cultivate them accordingly.

J. B. BOWEN.

Aurora, Cayuga Co., January 20, 1840.

* Gen. Far., Vol. 4, page 261. From the transactions of the Essex Agricultural Society on swine. Henry Colman. † Gen. Fur., Vol. 5, page 3, Bib. Univ. for 1831.

To the Editors of the New Genesee Farmer:-

Gentlemen—On reading an article in the January number of your paper, leaded Effects of the Stock on grafted Fruit Trees, in which you comment on remarks contained in a late number of the Yankee Farmer, by the editor of that Journal, on the above subject, in which he lays down the following propositions, viz:—

"I Stocks have an effect as to bearing years.

- 2. Stocks affect the scion in hastening or retarding the ripening of the fruit.
 - 3. Stocks produce defects on grafted fruit.
 - Stocks affect the color of fruit.
 Stocks affect the quality of fruit.
- 6. Stocks have an influence in increasing or decreasing the size of fruit."

And, as you observe, the subject is not new to horticulturists—Dr. Mosse, of Philadelphia, nfirming such influence some years ago, and reviewed by you at the time, in the 3d vol. of the old Genesee Farmer; and not thinking the evidence conclusive, and having seen nothing since to change your opinion, you express your willingness to examine the subject snew with candor and fairness; and you commence in the right way, by stating the results of your own practice and observation.

In addressing you on this subject, I beg to inform you it is one I have been closely connected with upwards of sixteen years in England and this country, the greater part in the former, and the result of my conclusions are the reverse of yours.

In quoting Professor Lindley in support of your opinion, I think the statement quoted does not go far enough in support of the subject under consideration.

Though the food communicated from the alburnum of the Quince to the Pear, is in nearly the same state as when it entered the roots of the former, it does not follow that the quantity received would be equal to that communicated through the alburnum of a Pear stock, and hence the austerity of the former, and the luxurionce of the latter. Before I quit this part of the subject, it will be well to state, though it is a fact known to most horticulturists, that in all English nurseries, a certain number (sufficient to meet the demands of the establishment) of Pears are worked on the Quince annually, and Apples on the Paradise stocks (a sort of dwarf apple or crab, used as stocks, especially for the premature fruiting of the apple, and the influence it has on the scion to form a dwarf tree or bush) for Espaliers and dwarf. Standards, to plant in the borders of the principal walks in the kitchen garden, where they form a counterpart to the trees trained on the garden walls and add much to the general effect of the garden, and are to be seen in most of the gardens of England; and I never knew an instance of their failing to exercise the desired influence. namely, dwarf habits, premature fruiting, and premature ripening their fruit. Consequently, (though the fruit is mostly fine, if attention is paid to pruning the trees and thinning the fruit when too thick,) the specimens are never so fine as those obtained from trees worked on the thrifty Pear stock, and common Apple or crab stock-which trees are generally reserved for the orchard, with occasionally something choice for an open space in the garden. Instances are not rare in England, (where the climate is not so favorable to the maturing of the finer varieties of the Flemish Pear as the United States, &c. &c.) when trees are not fertile, (I mean Pears,) although in a flourishing state of growth, scions have been taken off and worked on the Quince Stock, and they have assumed fertile habita and bore plentifully. I believe the above includes proposition 2, 5, 6.

By the first proposition is meant (as I understand it) bearing in alternate years, a subject which I think the stock has no influence whatever. On this head I believe we agree, and as you observe, it is a babit chiefly

confined to apples, and always to the late fall and latter part of July, is good, but bardly equal to the winter apples; summer and early harvest varieties almost invariably being regular beaters, for this reason: they mature their fruit and get rid of their burden in time to recruit strength, make shoots and form buds for the next year's erop; whereas the over burdened winter apple tree holds on to its fruit as long as its foliage, and consequently requires the next year to rest, to recruit its exhausted strength, and form buds, &c., to produce fruit. In my opinion, this is a part of the subject worthy of paying more attention to than is generally paid; and if people who have young orchards, or only a few trees around their door yards, were to take the trouble to thin out the young apples to one or two to a bunch, on observing their young trees assuming these habits, the result would be, the fruit left on would be so much larger and finer, that the quantity would be increased in bulk, though not in number, to as much as if they were all left on, and the bads, divested of the young fruit, would have tune to form Iruit bads for the next year; and by pursaing this system for a few years, when trees first come into bearing, much may be done to alter the system of bearing in alternate years.

In reference to proposition No. 3, in my opinion, if a stock is diseased, it will communicate it to the scion, and consequently affect the future tree; for instance, 1 think succers, or layers, or even seedlings, taned from fruit of diseased trees, will communicate the disease of the parent stock to any scion that may be worked on to it This I have observed always to be the general rule, though occasionally an exception.

Respecting proposition No. 4, I am not ready to enter into at present. And finally, respecting your currant bushes. We frequently see current bushes and other trees, partly in a state of decay, whilst the other part flourished luxuriantly; and in the case of the parent stock of your bushes, though apparently in good health when slips or cuttings were taken off, may, if left on, show the disease in some of those identical shoots taken off the following year; but being taken off, it appears in the individual plants, and consequently the superiority of some of your current hushes over the othe; s.

ONE OF YOUR SUBSCRIBERS. Orange Co., 1841.

For the New Genesee Farmer.

PEARS.

Who is not fend of good pears? To my taste there Is no fruit, not even that of tropical climes, equal to a Inscious, melting pear. Few of our farmers know any thing about good pears. Most of this fruit cultivated by them, is of very inferior quality, and yet conaidered good by those who know of no better. But very little is cultivated. Many are discouraged from undertaking to raise pears, from the idea that it takes a man his life time almost, to obtain fruit by setting out young trees. This idea is very erroneous in reference to grafted trees. Though it takes a pear tree from twelve to fifteen years to bear from the seed, yet the graft, taken from a bearing tree, will bear as soon as

any other kind of fruit-in two or three years. In the spring of 1837 the writer received scions of several choice varieties of pears from Messrs. Kenrick, D. Thomas, J. A. Lazelle, and others, which were then engrafted, mostly on small trees set out that spring. In 1839 several of them here a few, and last year some of them bore plentifully. Among these were the Julienne or Bloodgood, Madeline, Bartlett, Henry Fourth, Passe Colmar, Beurre Diel, Lemon Pear of Scotland, Bezi de La Mette, Capiament, (so called, but not the true Capitamont,) Heathcot, Winter Nelis, and Prince's Virgalieu. Most of these prove to be excellent. The Julienne, ripening the

Madeline, which is larger and ripens about the same time. The Bartlett, which Kenrick thinks is the same as the Williams' Bon chretien, is a most capital pear, ripe in Sept., large, buttery, and of a high musky flavor, sound at the core. Henry Fourth, one of the new Belgian pears raised by Dr. Vun Mons is truly excellent; ripening in October, of moderate size, buttery, resembling very much in flavor the Seckel, though not so sweet, and like this, growing in clusters. It must be eaten as soon as it becomes mellow. It is, in eating, a little before the Virgalieu. Passe Colmar is described as one of the very best pears originated by Van Mons. It sustains its character, though to some tastes it would be considered too sweet. It resembles, in flavor, a rich citron or pine apple melon. It is a winter pear, of medium size, growing in clustere, and n great bearer. Beurre Diel is another of the New Belgian pears, and a noble one it is; large buttery, and fine flavored. Though described as a winter pear, it can hardly be called such, as it was in enting in November. Lemon pear of Scotland is a good sized, handsome fruit, ripening in October and November; yellow at maturity; buttery, with an agreeable acid; not high flavored, but a good pear. Bezi de La Motte is an old hut good variety; ripe in November, it is of good size; buttery, and of a pecuhar flavor. It is worthy of cultivation. Capiamont. The pear I received by this name, is a late fall pear, of moderate size, of u russet color, tapering to the stock, moderately acid, of pretty good flavor; but it answers not all the description of the true kind, which ripens in September, and is said to be a "large and a most delicious and beautiful fruit." A scion of the true kind was recently obtained from Mr. J. A. Lozelle of Columbus, Ohio, who says of it, "I have had the true Capiamont fruit this season-first rate. The Capitament that was in the country previous to the receipt of scions direct from Dr. Van Mons, by Measrs. Kenrick and Manning, is said to have been erroneous." Heathcot. The scions of this were obtained from Mr. Kenrick, who describes it as "a native pear, a capital wariety, which deserves to be ranked with the Seckel and Bartlett." There must have been some error about it, as Mr. Kenrick says itripens " in September;" whereas, the fruit from the scions he sent, did not ripen till January. It could not have been the true kind-probably a mistake. It was however, a good winter fruit, of moderate size, green, juicy, and of a pleasant flavor. Winter Nelis ia a small russet-colored fruit, buttery, but of very little flavor; hardly worth cultivating when there are so many others that are better. Prince's Virgulieu is another I would reject from my list of good pears. It is a winter pear, of fair size and appearance; given, coarse, and of little flavor. It may be good for baking, but is hardly eatable as a table fruit. I have ent the grafts off to give place to kinds more warthy. Of the above kinds, the Madeline, the Bartlett, the Henry Fourth, the Beurre Diel, and Passe Colmar, particularly, I would strongly recommend for cultivation to the lovers of this fruit, in addition to other kinds of known and proved excellence, as the Virgaheu, Seckel, &c. I would mention as highly worthy of cultivation also, the Flemish Beauty, Foster, Dix and Dearborn Scedling. Of the first two, Mr. J. A. Lazelle says, " The Flemish Beauty, I had fruit this season. It is large and delicious; ripened in September. It needs to be taken off a little before it is ripe, and ripened in the house. The Foster is a delicious fruit, to my taste superior to the far famed Seckel." The Foster, Dix, and Deerborn's Seedling, are American fruits, of great excellence. Others might be added to this list, but my paper admonishes me I must close this communication, Urbana, Icb , 1811.

Sowing Locust Seed.

A correspondent in Youes Co. complains that he has found great difficulty in causing locust seed to vegetate, and inquires what preparation is necessary to ensure scccess.

The difficulty is n very common one, but the remedy is well known to most readers of agriculturel papers. If the seed is perfect, all that is necessary is to scald and soak it thoroughly before sowing. By this we do not mean souking in hot water merely; but pour on two or three quarts of boiling water, and let it soak twenty-four hours, when the whole or a part of the seeds will be swollen to three or four times their former size. If only a part are swollen, they should be separated, and the remainder scalded again. When thus prepared and swollen, they will vegetate almost as freely as earn; but without this process, disappointment will almost invariable be the result.

IF It is still a good time to gether locust seed from the trece; and if any of our young readers will collect a quantity and take it to the Rochester Seed Store, they will obtain a good price for it.

Raising Fruit Trees from Cuttings.

We have received several communications making inquiries respecting the maner of raising fruit trees from cuttings; and we answer them all in one short sentence. If We do not believe it can be done successfully. This popular error was pretty fully exploded in our vol. 1, p. 210, and therefore we deem it unnecessary to occupy more space with it at present.

New subscribers are reminded that they can obtain vol. 1. at the subscription price.

"A Subscriber" is also referred to vol. 1, for information respecting the worm in fruit trees.

Raising Chestnut Trees for Timber.

Messes. Editors-I have 5 acres of new landsoil clayey, but good, surface rolling, beach timber predominating, which I intend to clear and plant with chestnute. I propose to prepare the ground for corn, and plant chestnuts in each alternate hill of every second row, with the corn. I would repeat the planting of corn for two or three years, and diess the young trees with the corn till they had attained sufficient size; then sow the land with grass-seed, and let the trees grow for fence timber.

Now, if you or your correspondents, will communicate through the medium of "our own paper" some better plan, or throw some light on this subject, I will esteem it a favor, and will promise to inform you of the results of my experiment.

W. DARGITY. Iberia, Ohio, Feb., 1841.

Remarks - The pinn proposed would probably suceced very well, if the soil is suitable for the chestnut; but of this we have some doubts. This tree delights in a deep sandy or gravelly soil, and is seldom found on clayey soil, or where beech timber predominates. It is worse than useless to sttempt to raise forest trees on soil that is uncongenial to their growth; and, if we are not mistaken, Mr. D. had better abandon his project, or select some other kind of tree. The subject is an important one however, and we will endeavor to give more particular information respecting it next month.-EDs.

Ornamental Plants.

It is our intention in this article to depart from our neual course, and speak only of plants which we have not seen, on the authority of others.

In Buist's Flower Garden Directory, printed in 1839, Clematis carulea is noticed as an "entirely new climber," introduced from Japan to Europe by Dr. Van Siebeld. It is arranged among hardy plants;

and Professor Lindley is quoted for the following opinion :- "It is a charming addition to the climbers cultivated in England. It has a most graceful mode of growth; and the large violet flowers with deep purple stamens, are more ornamental than those of any species of Clematis in this country."

Clematis sicholdii is another species from the same country and by the same florist. "Large blue and white, superb-petals suffised with violet spots-anthers of a violet color. An attractive inhabitant of the flower garden, from its graceful habit, and the size and beauty of its blossoms."

In Ruist's Catalogue for 1810, he mentions Deutzia scabra as "one of the finest of white flowering shrubs"-said to be hardy.

Its being hardy at Philadelphia however, is no proof that it would be hardy in the Genesec country. A balance against us of three degrees of latitude, is not all that is to be taken into account. Our elevation above the level of the sea is another item; and our soil in many instances, is a third one of no small importance. Many shrubs, like the Laurels on the mountains " to the South, which could abide severer winters than ours, are sickened by the lime diffused through our soil, and gradually perish. Possibly the shrubs above-mentioned may be of this number, and refuse to embellish our gardens, a point however, which experiment alone can determine.

Herbaccons plants which sre hardy at Philadelphia, may be safely introduced here, if they have only to contend with a difference of temperature. Our hea vy soil is not so deeply penetrated by the frost, and under a more durable covering of snow, and such thick curtains as the condensed exhalations of our lakes, they will generally lie snugly and safely in their winter abode.

We notice the following perennials in Buist's Catalogue, and copy them for the purpose of making further inquiry :-

Aconitum grandiflorum-large blue. - versicolor-blue and white. Campanula striata-striped flowered. Delphinium maximum—superb blue. - Barlowii-dark purple. bicolor-white and purple. Dianthus splendidissima-superb double crimson. Dracocephalum argunensc-Fischer's fine blue.

Lohelia prepinqua-lerge crimson.

- ignea-brightest scarlet. Lychnis bungeana-large star flowering rimson. Onosma tauricum-golden flower.

Pæonia edulis (albiflora) v. odoratissima-swect acented.

Pentstemon cobæa-large blush. coccinea—scarlet. Phlox corymbosa v. alba-white, superb. - speciosa-very showy. - alcordia-perpetual blooming crimsen. - læta-very salendid.

For the New Genesee Farmer.

Gold Vine Peas-their History and Character. Messns. Epirons-Having in your January num-

her given an account of my success in raising the Gold Vine Peas, I have in consequence been addressed by several individuals in relation to their origin, the period of their ripening, and their other peculiar characteristics; and considering your paper the best medium of communicating this information to those desiring it, you will confer a favor on some of your readers, by giving a place in your columns to this communication.

two years ago by Mr Batcham, of the Rochester Seed Store. The following is his account of their origin;

"A farmer, in Canada, observing in his field of peas a few vines peculiarly and unusually bright, while the rest were more or less affected by mildew, took the pressution carefully to preserve the peas from these vines, and planted them year after year; fully testing and proving their perfect freedom from mildew, which so frequently destroys whole fields of

For two years I have tried these peas and find them well deserving the character and high commendation bestowed upon them. A gentleman from Rochester informed me that last season he lost a field of peas of several acres, almost entirely, by mildew; and purchased twelve bushels of my Gold Vine Peas for seeding the coming summer. Several other instances have come to my notice of similar failures. But the Gold habits of industry and economy are acquired. Vines, being perfectly free from this blight, secures the farmer from all hazard and loss from that cause.

In ripening, the Gold Vine Peas are from six to fourteen days earlier than the common Marrowfats or field Pess.

The vines of these peas are at least one-third shorter than those of the Marrowfats; hence a larger quantity of seed may be sown to advantage on the sere-at least half a bushel more.

So far as my experience has enabled me to determine, and I have given them a fair trial, the Gold Vines are greater yielders, by one-quarter, than the commen varieties.

Respectfully yours, Pittsford, Feb., 1841. E. WILBUR.

For the New General Former

Tariff for Revenue -- Low Prices of Agricultural Productions more favorable to the nation's wealth than high prices.

MESSRS. EDITORS-The advocates of countervailing duties and protective tariffs in Congress, ammated by the true spirit of mederation, have no disposition to meddle with the compromise act, as necessary to such a consummation.

The Secretary of the Treasury in his recommendation of a tariff for revenue of 20 per cent, on silks. wines, and such other articles as are new imported free of duty, while it answers the purpose of revenue, and saves the government frem the disgraceful treasury note system, will also give protection to our own productions.

There is little doubt that the next Congress will increase the tariff on such articles, so far at least as it can be done without infringing the compromise act, as the expenses of the Federal Government, aside from borrowing, cannot be defrayed without it.

At this time, in the midst of low prices, our agricultural interests have no cause of alarm. These low prices have alone induced an unprecedented export trade the past year; a great diminution of both foreign and domestic indebtedness; a balance of trade in favor of the country to the amount of \$27,060,000: less speculation and extravagance, and greater industry and economy among the agricultural ne less than among all other classes.

From the report of the Secretary of the Treasury, Mr. Woodbury, we learn that all our exports the past year amounted to \$131,591,950, exceeding by more than ten and a half millions of dollars the exports of 1839, notwithstanding the extreme reduced prices of some of our great staples, while the imports of the past year were more than one half less than in 1839. For several years back our imports have exceeded our exports nearly twenty millions of dollars. In 1836 the excess of imports over exports amounted to \$61,-346,694; but now, in 1840, in spite of the unusual low prices for all our great staples, cotton, flour, &c., plain and full instructions on this subject.

The Gold Vine Peas were obtained from Canada our exports exceed our imports nearly twenty-seven millions of dollars. A balance of trade in our favor more than three fold greater than ever accrued before in a single year since the Constitution was adopted.

> It is an axiom among business men that when agricultural productions are high, not only the farmer, but the whole body politic, increases its indebtedness, and vica rersa. The high price of our staples in New York brings exchange in our favor, our banks discount liberally to speculators and millers, money soon circulates, prices are inflated, and speculation, folly, and extravagance are on foot. When prices fall, the banks enrial their issues, and money is not. The farmer finds, to his utter astonishment, that his last year's debt, which might then have been paid by half a crop, cannot now be liquidated by two crops A healthy retrenchment and reform now commences, and better

> Let farmers then, instead of croaking about the low prices of their productions, reflect that those low prices alone have enabled Western New York, Ohio, and Michigan, to reduce our foreign indebtedness the past year, by an export of flour to England and France, to the amount of several millions of dollars, and that this same export continues to England even against a duty in the English port of three dollars a barrel. Let bim also reflect that as low as are the staples of the north and west, they are no lower than the great southern staple, cotton; the article without which our country could never have arrived at its present state of luxurious civilization.

> When, in 1837, flour was wanted for export to Eng. land at \$8 per barrel, instead of selling at that price. and thus reducing our foreign debt, the New York commission houses held on for \$10 a barrel. The result was, that instead of exporting flour, we imported several million bushels of wheat and rye from the north of Europe. This both increased our indebtedness and reduced the price of flour from \$10 to \$6 per barrel. During this monopoly and consequent inflation of the prices of bread stuff in New York, farmers bought mere land, built fine houses, and rode in steel spring carriages-the whole country went into debt with rail-road speed; and, as if we could not increase our indebtedness abroad fast enough, our government took off the duty on rail-road iron. High prices of produce, and the consequent high prices of labor, paralized our manufacturing industry and prevented the exportation of manufactured articles. Every thing was imported, until, as might be expected, a general revulsion and prostration ensued. But in 1839 and '40 the low prices of the necessaries of life, caused by incressed production and better notions of economy, has enabled the country to export the past year, aside from agricultural productions, three times the amount of manufactured articles ever before exported in a sin-SIV

Produce of One Acre of Ground.

Mr. J. Fry, of Concord, Eric Co., N. Y., raised 100 bushels of sound (shelled) corn, twenty-five bushels of potatoes, and two cart loads of pumpkins on one acre of ground, the past season, and sold his corn stalks for 15 bushels of oats.

The above is the postscript to a business letter received by us a few days since from Erie county. We wish our friends would more frequently annex such items of information to their letters of business .- EDS.

Domestic Industry in the Far West.

A correspondent in lown informs us that the women of his household went to manufacture domestic cloth, such as linsey woolsey, fulled cloth, blankets, &c.; but find much difficulty in the warping. We hope this art is not yet to be lost; and therefore request that some of our readers will give our western friends

^{*}On a former, occasion we referred to a remarkable cir-cumstance: The detritus of this district, including much lime, has been swept over our high hills in the South into Pennsylvania; and whereever this diuvium is found, no Kalmia flourishes. We have not observed this deposit however, more than twenty miles South of our bonn lary.

For the New Genesce Farmer. Rust on Whent.

Messes. Editors-If there is one subject more than another in which the farmer is deeply interested, and which needs thoroughly investigating, it is the one at the head of this article. It is not an evil consequent upon poor farming, for it attacks, indiscriminately, the grain of the best, as well as the poorer class of farmers. The ground is thoroughly prepared, the seed committed to the bosom of the earth; its progress is watched with anxiety, and it promises a plentiful harvest. The farmer's expectations are about to be realized, when he discovers the ravages of a disease, which is either to deprive him of a part of his earnings, or entirely to destroy the "golden prospect" and rob him of the whole.

The writer of this article is well aware that he has entered upon a difficult subject. Difficult, because there are difficulties constantly arising, or, in other words, discordant suggestions are continually presenting themselves to one's mind while investigating it. He does not flatter himself with the expectation of arriving at the right conclusion. His only aim is to add his little, and to solicit others more competent than himself, to come forward and investigate the subject. We want all the facts connected with the subject, that any one, and every one, may be in the possession of, for in this way we may arrive at the truth.

Well, what is to be done? In the first place, let us ascertain, if possible, what this evil, rust, is; and in the second place, the cause of its attacking and the manner of its affecting, the plant.

It is believed by most who have written upon the subject, that rust is a parasitical plant of the fungus kind. Some, however, contend that it is "nothing more than the thickening juices of the plant, escaping through the ruptured envelope, and dried and blackenend in the sun." That the rust is a plant of the fungus kind, is a fact established perhaps beyond a doubt. There are two distinct kinds, commonly called the yellow and black rust, both of which attack wheat, though the latter is much more injurious. They are described by Professor Eaton, in his North American Botany, as followe:-" Uredo linearis, (yellow grain rust,) linear, very long, stained yellow, at length but obscurely colored. On the culms and leaves of barley, oats, rye, wheat, &c." and " Pucciniu graminis, tufts dense, oblong, often confluent, forming long parallel lines in the direction of grasy fibres; color, yellowish brown, becoming black; seeds elongated with the upper shell shortest, containing dust; stripes filiform. On wheat and other grasses. Called rust or blight."

The cause of either of these fungi affecting grain in the manner it does, or rather the preparatory cause for its reception and germination on the stem and leaf of the plant, is what is yet to be learned. The fellowing passage is found in an article on the rust or mildew of wheat, in the Edinburg Quarterly Journal of Agriculture: -

"The dust-like substances of the rust originates beneath the outer bark or epidermis of the plant, which it raises and renders thin, and at length cracks and bursts through. When examined by the microscope, it presents a congeries of egg-oblong bodies, some of which have projections almost like tad poles, or pow heads, though they are not animated.

The question then arises, supposing the dust-like substance of the rust to originate beneath the epidermis, where do the sporules or seeds of the fungi lodge, or become deposited, and what is the state of the leaf and stem most favorable for this reception? Some suppose the sporules fall upon the ground, and are absorbed by the roots of the plants and carried by the sap through the pores of the stem, where they germinate and produce the disease, called rust. Oth-

and lodge upon the leaf and outer bark of the plant. The time most favorable for their propagation, is damp warm weather. The epidermis of the plant is then damp, consequently the seeds of the fungi are easily attached to it. Again it is contended, that wheat, the most likely to be affected, is that which has been kept back in the spring, from some cause, either by being raised out by the frost, or late sowing, when, particularly if the soil is rich, it grows too rapidly, and the consequence is, the juices or sap of the plant accumulates sufficiently to check or split the stem. The exudation of the juices through these openings makes suitable lodgements for the sporules, and the the damp sultry weather, hastens the germination and perfection of the fungus. Its growth is very rapid, arriving to maturity in the short space of twenty-four hours; and producing probably many millions of seeds. Hence the cause of its spreading with such rapidity.

J. B BOWEN.

(To be continued.)

For the New Genesce Farmer.

Lime and its Application. MESSIS. EDITORS-Having read some paragraphs in both the old and New Genesce Farmer on the subject of applying lime to the soil, but having seen none which agrees with the manner in which I was, in early life, used to seeing it applied,-I will give you a brief statement, should any of your numerous readers think it worth a trial.

For wheat, we used to consider it best to have it drawn and prepared some two or three months before its application. The manner of preparing, thus:-Plough round your inclosure intended for wheat, say six or eight furrows, (it will be better drawn out in the field than left for brush and briers to grow in.) Along the centre of these furrows put your lime, and cover it with earth six or eight inches thick. If the weather is moist, two or three days will dissolve it to powder, when it should be thoroughly mixed with the soil, that is around it, by means of a hoe, and drawn up in a cenical shape, when, if it is thoroughly dissolved, (which it should be before mixing,) it will receive no injury from the weather. It is not likely that there would be enough to go over the whole. Then the centre of the field might be ploughed, say two furrows each way, and heaps thrown up at suitable dis tances for spreading, prepared in the same way. The writer has seen swamp muck, road soil, &c., prepared in this way, and attended with very beneficial results.

For spring crops, the lime was drawn in the early part of the spring, and the heaps made at suitable distances for spreading, by throwing two or more furrows against each other and the lime allowed to dissolve in the same manner; but in no case spreading it before it was well mixed with the soil with which it was covered. This was the manner of aplying lime to the soil in the west of England twenty years since.

Yours respectfully, A SUBSCRIBER.

Erie County, Jany. 1841:

For the New Genesece Farmer. Sprouting Garden Seeds -- Raising Onions.

Messes. Editors-The approaching season will soon resume the interest in the field and garden; and it may not be unprofitable at this time to consider what will be the best course to pursue. The following statements are advanced as proof of the very great advantage derived from the simple process of sprouting garden seeds before planting. The positive knowledge of its benefits, is derived from six years' practice. There is no difficulty to be apprehended if the same judgment be exercised that is required in the common operations of the garden.

First, soak the seeds in water from six to twentyers contend that the spotules are blown by the winds | four hours—some seeds being slower to admit mois- |

turethan others, is the difference in the time required. After sonking, drain off the water, and mix the seeds with a sufficient quantity of earth to absorb the moisture remaining on the seeds; stir them often that they may vegetate freely, and keep them in a moderate degree of warmth and moisture until they are sprouted, when they are ready to be put into the ground. If the weather should be unfavorable, put the seeds in a cool place, which will check their growth.

The advantages of this practice cannot be better shown, then by relating the management and improvement of the onion crop in our own garden. The culture of the crop in 1840 was as follows:-Just before the approach of the preceding winter, there was a light dropping of fine manure put on a piece of land designed for onions, containing 24 acres, and the same ploughed. It remained until a thaw in the winter; it was then ploughed again-the frost was not all out of the ground-it was consequently left very rough; more of the soil was exposed to the frost, which was beneficial. It was left in that situation until the time of sowing. In April, as soon as the soil was sufficiently dry, the ploughing was commenced, and the second day, at night, the sowing was finished, with seed prepared as before stated. In one week the onions were up, rows were soon visible nearly twenty rods and no weeds yet appeared, The operation of stirring the soil with rakes and hoes was then commenced, and the weeds were not suffered to grow during the summer. (It is a mistaken notion that it is not time to hoe a garden until it is green with weeds.) The first of September the onions were harvested, and the product was over two thousand bushels of fine onions from two and a half scres.

The management of the crop six years before, (in 1834,) was as follows:-Early in the spring there was a light dressing of fine manure put on the piece of land intended for onions, containing 21 acres (the same piece before mentioned.) The necessary travel across the ground for the purpose of manuring, and the natural state of the soil, as it had remained from the time the crop was taken off the preceding fall, produced a great quantity of lumps after ploughing, and although the work with teams, bushing and harrowing, was four times as great as in 1840, it was not in good condition; the seed was sown dry; a season of dry weather followed, consequently the onions did not come up until the weeds were started, which made it a great tack to till the crop. By referring to the memorandum kept for that year, (as the practice has invariably been to register daily proceedings or occurrences connected with the garden,) the onions were sown the 15th of April, and the weeding commenced the 21st of May, which was as soon as the onions were fairly up, making 26 days more for the weeds to grow than in 1840. The onions did not all botom, on account of the late start in the spring, which is generally the cause for what it is termed skullions, (a difficulty which more or less prevails; but by the improved practice it is not in the least to be feared.) The produce was eleven hundred and forty bushels from 23 acres, and the quantity of labor very nearly double the amount required in 1840.

The practice of 1834, had been followed successively on the same piece of land for twenty five years. The former proprietor had been engaged the most of his life in raising onions, and it was supposed had gained the point of perfection in that business, especially as, previous to his settlement in this country, he came from that well known town in the land of Yankee nativity, where originated the large stories about raising onions, that amused and astonished the children in other parts of the country fifty years ago.

W. RISLEY.

Horticultural Garden, Fredonia, N. Y. 1841.

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For the New Geneses Farmer.

Bots and Horse Bees.

MESSES. EDITORS-I wrote a few observations upon the horse Bee and Bot for the Genesce Farmer, which was published in vol 5, page 85. Some suggestions I there made, which I thought true at the time; but some further light upon the subject, has somewhat changed my views-which to acknowledge, is only to admit that we are wiser to day than we were yesterday.

Any thing that directly or indirectly concerns the worth or welfare of that noble animal, the Horse, should not be disregarded. The bot or horse bee, of themselves, we care not a pin about: but as far as they concern the horse, we have the best of reasons to be deeply concerned.

About the 4th of August I found several hots in one of my stables, where I kept two of my horses. I selected three of them and put them into the box of my carriage for safe keeping, until I should go to my house. I had supposed a bot unable to crawl, having never seen them do it, and never seeing any legs or apparatus for progression: I therefore concluded they were unable to advance or retreat of their own volition; but I soon saw they had the power of crawling with tolerable speed in a manner that I had not auspected. The body of the bot seems encased in several circles, and incapable of but a little motion more than a slight elongation and contraction; but their heads and necks are very ductile, and capable of much motion, being about five-eighths of an inch long when contracted, and seven-eighths of an inch when elongated. Their motion, like the magget tribe in general, seemed to be by a distending of the head and neck, then seizing hold with the mouth, and instantly centracting the neck so as to draw the body forward. Any little unevenness would jostle and upset them. They crawled about my carriage box for some hours, searching every depression, or knot, or nail hole, eagerly, as if intent to escape from the air, or light, or both. I observed, when they were searching a crack, knet, or nail hole, they would root up and throw out dirt like little pigs. When I went to my house I took them along, and put them into a wide mouthed viol, tied a cloth over the mouth, and laid them by in a drawer to see what would be their end. After occasionally crawling about a little for ten or twelve hours, they contracted, changed from an opaque or horn color, to a reddish chestnut color, and then lay dry and immovable until the 8th of September, being 35 days. When they came forth, three Horse Bees, two females, (full of eggs or nits,) the other having none: I think it was a male. Whether the eggs are fecundated, or impregnated, I have made no experiment yet to ascertain. Their close confinement might have made them unhealthy, and deprived them of the inclination to fecundity. They seemed inclosed in nine circles, and armed with short, stiff hair, between the segments of the circles.

In consequence of all three of the hots passing into their chrysalis state in one day, and all coming forth horse bees (Æstrus equs.) in another day, I am led to infer that the times of their changes are quite regular, especially the time they remain in the chrysalis state; also the time they remain a horse bee or bot fly; but the time they generally remain a bot magget, or larvæ, in the stomach of the horse, I am now unable to say; but we may safely conclude if they are cast out any season but a warm season, they must perish. As the temperature of the stomach of the horse is about the same, summer or winter, I think it most probable they come to maturity at some certain time from the period they reach the stomach of the horse. probably ten or eleven months.

Whether a bot is armed with teeth or other apparatus sufficient to perforate the coats of the stomach of a kept clean and clipt, and in a few years it will make herse, I cannot now decide; but that they possess ample means to trouble and greatly annoy the horse, I have no doubt. It is a well known fact that all the insect tribe while they are in the magget or larva state, are very active and voracious.

Whenever the bot is in any way disturbed, it contracts itself into its coat of mail, capapie, which renders it invulnerable to the most of subssubstances that a horse can endure, which probably is the reason of the difficulty generally of ridding the heree of them. I have much faith in the use of spirits of turpentine, in desce of from a gill to half a pint, in molasses or sugar, every one or two hours, until it gives relief, whether it be bots or colic, as we cannot often know which is the trouble, knowing that all the insect and vermin tribe are so much annoyed or destroved by the contact with spirits of turpentine; beside, the horse or human subject may safely use large doses of it, if they use sugar freely with and after it, to abate its acrimony. Another remedy I think is entitled to a trial at least, viz: one quart of new milk, saturated with honey, molasses, or sugar, in the order named, (fasting if possible,) two hours after drench with a pint of brine, as strong as boiling water can make it; two hours after give half a pint of flax seed

It is asserted that the bot will fill itself so full of the first mixture, that the action of the other destroys it.

Baron Cuvier says, the different classes of the fly (cestri) in their larvæ state, inhabit the ox, horse, ass, rein deer, stag, antelope, camel, sheep, and hare.

SPECTATOR. Brighton, N. Y. Janu. 1841.

Use of Swamp Muck.

MESSRS. EDITORS-A Young Farmer asks if marshy black earth can be made a good dressing for upland. I think it can. First, cart it from the bed on the land you wish to manure, or any other place convenient, in heaps, or, which is better, in rows, like winrows of hay, and about the same size, and after it has lain a month or two, or six, all the better, take stone lime, lay it along on the top of the row, say one bushel of lime to 15 or 20 of black earth; put on water sufficiently to slock it, and cover it with the earth slightly; as soon as it is perfectly slacked, and while hot, begin at one end of the pile and mix well together, and apply it to the land when wanted, and it will be found an excellent manure. Another good way is, when you have cleaned out the barn yard in the spring, cart in the black earth to the depth of 10 or 12 inches; throw on occasionally straw, leaves, green weeds, &c.; let the cattle run on it through the scamanure,) and in the spring following when carted out, will be fine manure. Shell, or calcareous marl, is also an excellent mixture, (and possibly a Young Farmer may find some by digging two or three feet deep in his black, awampy earth.) Farmers often cart swampy earth on the land and immediately plough it in, but I think with little profit. It is too sour-it wants to be laid up to the air, and mixed with

lime, marl, or something to sweeten it. As to the best and cheapest kind of fence across the marsh, I cannot say from experience; but think that a live fence of willow, swamp elm, or American thorn, would be the best. Throw up the bank, a foot or two high, or sufficient to be tolerably dry, and plant cuttings of the basket willow, 10 or 12 inches apart; and in two or three years it can be cut yearly for making baskets, &c.; but probably the native thorn would make the best and most durable fence, and it would require more labor and expense. The ground must be thrown up dry, and well prepared with lime.

manure, &c.; the plants put in 6 or 8 inches apart; a beautiful and durable fence.

A FRIEND TO IMPROVEMENTS.

Newburgh, N. Y., Feby, 1841.

For the New Genesce Farmer. RECEIPTS.

TO KILL LICE ON CATTLE:

Feed them a quantity of sulphur in small doses at a time, mixed with cut roots, hay, salt, or any thing clae. [This we believe very efficacious, the sulphur passing to the surface and repelling the lice .- Eos.]

TO MAKE CALVES EAT ROOTS.

Pound the roots fine, mix with them cut hav, bran. or any thing they will eat, and in two or three days they become fond of the roots.

The following were handed me by a lady of no small standing, so you may depend upon their ac-

TO MAKE WISCONSIN MINCE PIES.

Take the usual quantity of meat, and substitute bects for apples, but in only one-third the quantity of the latter, -boil the beets, pickle them in vinegar 12 hours, chop them very fine, and add the vinegar they were pickled in. Add one-eighth of grated bread, and spice to suit you.

TO MAKE INDIAN LOAF BREAD.

Stir Indian meal in skim milk to the consistency of pan-cake batter, about two quarts. Add 2 teaspoon. fuls of molasses, 1 of saleratus, 2 of shortening, and 2 teacups of wheat flour. Stir in the evening, bake in the morning, and eat while hot.

TO MAKE WISCONSIN SPONGE CAKE.

Take 2 eggs, (or omit them if wished,) I tencup of buttermilk, 1 tea-spoon of saleratus 2 table-spoons of cream, and salt to suit. Stir to the consistency of pancake batter. Bake 20 minutes on tin pans, and eat F. H. SIPERLY. while hot with butter.

Wisconsin.

Summer all the Year.

Messes. Editors-The "Hot Air Furnace," which wos designed by W. R. Smith, of Macedon, and described by you in the October number of your valuable paper, has been tested by me for the last four months, and I am now prepared to give my testimony concerning it. It will take about twelve cords of wood to warm three or four rooms in my house, day and night, for one year, or about two cords for one month, during winter. This is about the same quantity that I have been accustomed to use in one fireplace, to burn me on one side and freeze me on the son; it will get saturated with urine, (the strongest of other, through the day only, while it saves much expense in preparing fuel for the fire, the furnace receiving wood forty inches in length and sixteen inches in diameter. We use no more bedding in winter than in summer. We keep milk and other things in the buttery at such a temperature as we please. In short we can keep any room in the house at any desired temperature, and all this from one fire in the cellar, while the rooms are free from smoke, soot, and ashes. I find in the furnace, all the benefits described by you, and can cheerfully recommend it to the public. I would advise all who design building new houses, whether private dwellings, meeting houses, or public schools, to examine the subject. Mr. Williams, of Palmyra, who furnishes the castings, designs to make some improvements in his patterns, by which the price will be somewhat reduced. Summer is the time to build, and the winter to enjoy it.

Yours truly, V. YEOMANS.

Walworth, Wayne Co., N. Y', Feby. 1841.

Making Hot Beds-Gardening for March. This is called the first month of Spring, but in this climate the weather savors too much of winter to allow of much being done in the Garden, except making preparations for next month, or forwarding such articles as are desired early, by means of hot-beds. Almost every farmer or mechanic, who cultivates a garden, would find a small hot-bed of sufficient advantage to amply compensate for the care and labor it requires. There are few greater luxuries than the early Radishes. Lettuce, Cucumbers, &c. which a good hot-hed affords, to say nothing of the advantage of starting Cubbage, Cauliflower, Broccoli, Celery, Tomato, Pepper and other plants a month or two carlier by this means than could otherwise be done

Hot-beds can be made any time during this or next month. We gave particular directions last year (Vol. 1. Nos. 2 and 3,) for preparing manure, constructing the frames, sashes, &c., and therefore deem it unnecessity to do so again in detail, but as it is particularly desired we will repeat the directions for constructing bot-hede.

"Select a site for the bed, on dry ground, where it will be fully exposed to the sun, but sheltered from the north and west winds. Mark out the size of the bed, allowing six or eight inches on all sides larger than the size of the frame. Then drive down a good strong stake at each corner, as high as you intend to build Then take the manure (which should be fresh stable manure in a good state of fermentation) and commence building the bed by mixing the manure thoroughly, and putting on successive layers, beating it down with the fork. Observe to place it smoothly and firmly around the outside, so that it will not settle The height unevenly from the weight of the frame. of manure requisite, will depend on the time at which the bed is formed, and the purpose for which it is intended. If made early in March, and intended for growing cucumbers, &c., a good deal of heat will be required for two or three months, and at least four feet high of manure will be necessary. But a bed made early in April, for the purpose of forwarding early plants to be transplanted into the garden, will

not require more than half that quantity.

"When the bed is made, put on the frame, and then put in about six inches of good fine earth; put on the sash and let it remain two or three days for the heat to rise, when it will be ready for sowing.

" Make the earth smooth and fine before sowing; if encumbers or melons are to be planted, raise slight The hills for them under the middle of each sash. articles usually sown in hot beds are cucumber, radish, lettuce and cress, for early use; and cauliflower, broccoli, cabbage, egg plant, tomato, pepper, celevy, &c., to transplant. The earliest varieties of each are of course the best for this purpose."

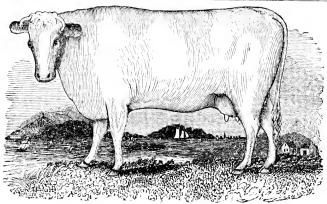
Mangel Wurtzel.

Our respected neighbor, Dr. D. A. Robinson, raised the past season, from one half an acre of land, a little less than fice hundred bushels of mangel wurtzel .-This was done at a cost, estimating labor at a dollar a day, of about two and a half cents per bushel. Land, previously in good condition, was manured broadcast at the rate of about forty loads to the acre, ridges were subsequently formed, the seed planted in drills upon these half an inch deep and rolled, and the crop afterwards thined and kept clean.

It may be proper to state, that the seed, obtained at the Rochester Seed Store, was sown at the rate of two pounds only to the scre, and afforded an abundance of plants, which required thinning to less than one third. We believe nearly all the failures of seed the past year were from planting too deep.

Correction.

We thank the Farmer's Gazette for correcting an er ror we committed, in stating that the report of the farins of J. B. Davis and W. K. Townsend were made to the Hartford County Agricultural Society. Aour Connecticut readers very well know, Derby and East Haven are in New Haven county, and by a lap sis pennæ, and not from ignorance, we gave Hartfeid, and not New Haven the credit.



THE PROPERTY OF WM. R. SMITH, MACEDON.

Jessamine is from T. Weddle's imported stock. Dam, Lady Bower; bred by the celebrated Major Bower, of Welham, Yorkshire; which, with her calf, 10 months old, was sold by T. Weddle to J. C. Hathaway for \$1,000;-is by Rover, (alias Charles,) bied by the Earl of Carlisle, and whose pedigree has been given in this paper, (page 8.) A calf, 10 months old, by the same bull and cow, told to Kentucky for \$600.

The color of Jessmine is pure white. Great care has been taken to have the portrait correct, exhibiting the deformities as well as beautics; for unless portraits of animals are rigidly correct, they are worse than useless, tending only to mislead.

Scraps.

CONDENSED FROM EXCHANGE PAPERS, &c.

to Henry Colman, the recent use of marl on land has grass, with one to two pecks of roots a day. been of great efficacy. "It has more than doubled the value of the lands in the neighborhood of the pits where it is found. The application of one hundred bushels to land, which, under common cultivation, would not produce more than 20 hushels of corn to the acre, causes it to yield 60 bushels, and wheat and clover in proportional abundance."

PEAT.—The island of Nantucket contains 985 acres of peat swamp, from one to fourteen feet in depth; and in the state of Massachusetts there are at least 80,000 acres, of an average depth of at least six feet.

Good FARMING .- A farmer near Philadelphia, on a farm of 130 acres, has an average yearly crop of 1,-500 bushels of wheat, 450 bushels of rye, and 500 bush is of corn annually. He pursues a regular system of rotation.

GRASSES-loss of weight in drying .- The following

experiments were made in 1822 and '23; 100 lbs. of green White clover gave 174 27 271 44 " Red clover 25 4: " 46 Herd's grass 40 " Fresh mendow 38 4.1 " Salt grass 39 40 " Corn stalks 25 25 Red ton 46 Couch grass 48 Fowl meadow (Poancmoralis?) 53 The white clover of 1822 grew in shade, that of '23 are consumed every year in the United States for fuel. in the sun. The salt grass of '22 a second growth.-

J. Wells, in Agric. Jour. Mass. CATTLE-new breed .- Col. Jacques, of Charles ton, Mass., has for reveral years been breeding from

butter for every four quarts of milk. He does not feed bigh-says food will never make a fine breed, but that Mant. - In some parts of New Jersey, according blood is every thing. His cows in milk have hay or

> COTTON CROP.-The Governor of Alabama, says, "the cotton crop has fallen so far short of reasonable calculation, that without a forbearance on the part of creditors, not to be expected, the pecuniary distress of the people, the next year, will be unprecedented and ruinous."

> BALKY Honses, it is asserted, can be easily made to do their duty, by tying a cord round the ear close to the head, which will operate like a charm, where whipping, coaxing, and every thing else, have proved fruitless.

> KEEPING STORE HOGS .- E. C. Frost, in the Cultivator, states, that he kept 24 shoats last winter, at an expense of 20 cents a day, (less than a cent per head,) by feeding them 10 lbs. of hay, half a bushel of potatoes, and 4 quarts of corn meal, daily, and never had hogs winter better. The hay, cut fine, was boiled with plenty of water, the potatoes were boiled in another kettle, pounded fine, mixed with the hay and meal, and let stand a day till fermented.

> MANUFACTURES IN MASSACHUSETTS .- These excced the largest crop of cotton ever raised in all the cotton growing states,-that of last year, which at 8 cents a pound, amounted to \$67,000,000, which is has than the returns in Massachusetts for 1837. The manufactures and fisheries of that state were \$92,-000,600.

FUEL -It is estimated that upwards of \$50,000,000

DEPTH OF LAKES .- A correspondent of the Geneva Courier, gives the result of an experiment made by Judge Norton and others, to ascertain the depth of Seneca lake, near Big Stream Point, which at one an imported short horn hull, and a native cow, his third of the distance across from the west store was stock at present amounting to about sixty. The first 461 feet, and at one half the distance, 553 feet. The beifer from this cross gave, the first year of milking, depth of Cayuga lake at Aurora, according to the sixteen quarts a day. The milk from his cows is very measurement of Dr. John Gridley, formerly of that rich, the cream very thick, and yields very little but |village, in 1826, was found to be as follows:-1st termilk. He says, 100 lbs. of cream will make 95 sounding 51 feet; 2d, 72; 3d, 108; 4th, 120; 5th, lbs. of butter. One of his cows makes one pound of 176; 6th, 192; 7th, 258; 8th, 282; 9th, 46. The ounding was three cuarters the distance across the cost shore, and the others at equal distances. lake is doubtless much deeper some miles south, never freezes there, while it does sometimes at

ALT FOR CATTLE. - The eclebrated Curwen, save, fore I commenced giving my entile salt, my fars bill averaged 58 pounds per antium, (more than),) and since I have used salt, I have never paid y one year over five shillings." Did this differresult from the salt alone, or was not the care in g salt regularly accompanied with a correspondare in other particulars, also tending to prevent se? Try the experiment, farmers.

IN CAPILE .- A house in Boston, as annually slaughtered 5 or 6000 head of cattle, found, in the last twelve years, an increase in the ge weight, from about 800 to 900 lbs. In the on market, cattle slaughtered have increased at one third in the last 50 years, and mutton not

PENINO WALL FRUIT .- An English gentleman ened with paint a part of the garden wall on his grapes were trained, which caused an inof three fold in the weight of the fruit on the ned part, the bunches being much finer, larger, etter ripened. The obsorbing and radiating of black surfaces is well known.

SIAN FLY .- Margaretta H. Morris, of German-Pa. has made some recent observations on this which if correct render former opinions relative habita erroneous; and her positions, if establishill be of great importance. According to her ations, the parent insect lays its egg in the seed wheat; the egg remains unaltered till the wheat s: the young worm remains below the surface earth during winter; in the spring it ascends h the stalk, passes to the sheath, changes to the or "flax-seed" state, and finally, when the is ripe, to the perfect insect or fly, which lives en days, during which time it deposits its eggs. vent its ravages, therefore, seed wheat must be ed from regions where the insect is unknown. a farmer who sows seed from a district ravaged ectually commits the absurdity of planting Heses for the next year's crop. We believe her not entirely original, and it needs more obserto establish its correctness.

Horticultural Meeting.

eeting of the friends of Horticulture, in Mon-I the adjoining counties, will be held in the House in Rochester, on Monday the 15th of enext, at II o'clack, A. M.; for the purpose of a society, and devising such other means as deemed expedient to give a general impulse to Itural pursuits.

te objects of the meeting are of general import is to be hoped that this call will meet with a esponse from every friend of the cause throughcountry. It is the duty of every one to attend tivates or takes an interest in the productions arden, or who wishes to improve or beautify I aspect of our country.

countries, and other portions of our own , have derived great advantages from Horticuleieties, and their influence begins to be genppreciated: for we find that on all sides of us, id south, east and west, such associations are organized Why not here? It is evident to inds, that in no portion of the Union are horil pursuits generally more neglected, or in a ackward state than in Western New York, ing the advanced state of society, the unrival-

enterprising character of the people. It is certainly high time that a combined and determined effort was made to promote the interests of this important branch of rural economy. Agriculture has received a powerful impetus all over the country through the influence of societies. They have disseminated a spirit of improvement throughout the farming community

The same successful results will no doubt attend the efforts we are about to make to improve our system of gardening, if a proper spirit is evinced now; as we hope there will be, and Western New York in a few years will be able to vie with any portion of the Union, in respect to her horticultural productions.

H. N LINGWORTHY, 11. B. WILLIAMS, WILLIAMS, E M. PARSONS, C. L. CLARKE, M. B. BATEHAM, A. ERICKSON, CROSMAN, J. HAWES, H. O'REILLY, II. THOMPSON. T. H. HYATT. LEWIS SELVE. F. SMITH. R. GORSLINE, B. ELWOOD, S. HAMILTON, P. G. TOBEY, WM. PITKIN, Сипл J. M. WHITNEY, WM. M'KNIGHT, G. H. CHAPIN, J. REILLY, S. O. SMITH, Joseph Field SILIS CORNELL. JAMES H. WATTS, ESENEZES WATTS. G. ELLWANGER, ASA ROWE. A. REYNOLDS, P. Barry.

Monroe County Agricultural Society.

The annual meeting of the "Genesce Agricultural Society," was held pursuant to notice at the Arcade House, Rochester, on Tucsday the 2d February. After considerable discussion, it was resolved to change the name and constitution of the Society-that it be called the "Monroe County Agricultural Society," for the advancement of agriculture, horticulture, and the domestic arta in Monroe county.

It was then Resolved, That a meeting of the Society be held on the 5th day of May next, to appoint committees and make arrangements for the coming

The following persons were elected officers of the Society for the ensuing year:--

President-Lyman B. Langworthy, Esq. Greece, 1st Vice President-William Garbutt, Wheatland. Henry E. Rochester, Gates. 3d " Wm. C. Cornell, Henrietts. Recording Secretary-H. M. Ward, Rochester. Corresponding de. M. B. Batcham, do. Treasurer-Charles F. Crosman. MANAGERS.

> Rawson Harmon, Jr., Wheatland, Oliver Culver, Brighton, Thomas Weddle, Greece, Isaac Moore, Brighton, H. E. Barnard, Mendon, Wm. Pixley, Chili, Enoch Strong, Perinton, John B. Smith, Ogden, John H. Robinson, Henrietta, George C. Latta, Grecce, J. P. Stull, Rush, Geo. Sheffer, Wheatland, Dr. Abel Baldwin, Clarkson.

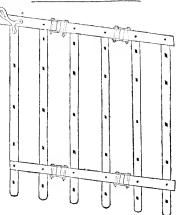
Canada.

H. M. WARD, See'y.

The two Canadas are now united in one Province, and Kingston is selected as the location for the seat of government. Lord Sydenbam is Governor in Chief of the whole Province, and Sir George Arthur Licutenant Governor of the upper portion. This adjustment of the political affairs of the country appears to give general satisfaction, and it may confidently be expected that Canada will now make more rapid advancement in agricultural improvement. We are ral advantages of soil, climate, &c., and the gratified to perceive increasing spirit in some of the the country.

Agricultural Societies-and especially to find an in creasing demand for the New Genesee Farmer. -Several of the Societies have ordered large numbers for the use of the members; and their letters speak in the most flattering terms of the good our humble efforts have accomplished during the past year.

We should be pleased to receive more frequent communications from the numerous able writers in Canada. Will they not favor us? The Secretaries, or other officers of the Societies, could send us much information that would be interesting, and some of them have promised to bear it in mind.



Double Hinge Harrow.

Editors New Genesse Farmer:-

Gentlemen-I send you a draft of a double-hinge harrow, of my own invention, which has been highly approved by many who have used it. It differs materially from any in use, it is believed, in two material points, viz: in the motion being better, and in clearing itself from stones, weeds, and other stuff, tending to clog it.

It sweeps 7 feet, and from end to end is 9 feet.

The engle is 80 degrees, or two inches to the foot from e square.

The timber is 6 feet long and 3 inches square.

The teeth ere 7-8ths of an inch square, and 9 inches long.

The hinges are straps of iron, 7 inches long, with holes in each end, and bolts to pass through with keya.

The hook or eye, to hitch to, should rise 7 or 8 inches, to prevent the forward end from being lifted by the draught.

The cross pieces are let in on top, and fastened with THOMAS HUNT. holts and screws.

Fall Creek, Dec. 1840.

The Durham (U. C.) Agricultural Society.

The annual meeting of this spirited Society was held at Port Hope, Jan. 15. By the reports of the Secretary and Treasurer, it appeared there was a balance in the Treesury of one hundred and two pounds seventeen shillings and eleven pence.

The following officers were elected for the present

President, DAVID SMART, Esq., Port Hope. Vice Presidents, ALEXANDER BROADFOOT, E-q. of Hope, R W. Rouson, Esq. of Clarke, JOHN KNOWLSON, Esq. of Caven, JOHN SMART. Esq. of Darli gton. WILLIAM SISSON, ESO. Treasurer. Morgan Jellett, Secretary.

And ONE HUNDRED DIRECTORS in different parts of

II. COLMAN'S ADDRESS,

BEFORE THE AGRICULTURAL AND HORTICULTURAL SOCIETY OF NEW HAVEN CO., CONN.

We often feel a desire to lay before our readers more of the able addresses and other excellent articles which we find in our exchange papers; but were we to do so, we should be compelled to omit many of the favors of our esteemed correspondents; and we are aware that most of our readers generally prefer that which is written for their particular benefit. should do them injustice, however, were we to confine our columns to or gnal articles; for many valuable discoveries and improvements are made in different places, and published in other journals, and it always atimulates and pleases the mind to learn that other people, in various places, are actuated by the same spirit, and engaged in the same enterprise as ourselves.

No man at the present day, in the United States, occupies a higher rank, as an advocate of improvement, or a delineater of the pleasures and advantages of a rural life, than HENRY COLMAN; and no man is doing more to elevate the noble profession of Agriculture to its proper standard, than him. We are led to these remarks by reading the address as above named. We cannot afford room for the whole of it; but we are sure our readers will derive both pleasure and profit from the following portions -EDS. NEW GEN. FAR.

THE FARMER NEED NOT BE JEALOUS OF HIS NEIGHBOR.

No occasion of the gathering of the people is less liable to objection, or more congenial to benevolent and pious sentiments, than that which has brought us together.

Here, a spirit of good will reigns over the whole. No discordant or hostile feeling can find place. No strife and no emulation can find place, but an emulation for excellence, which alike benefits all, and in improvements, which diffuse themselves over the community, and the sole aim of which is the common welfare. To well disposed minds, this is a religious orcasion of the highest character. None is more suited to lift up the soul in adoring confidence and gratitude to the great Author of nature. He it is, who "eau-ses grass to grow for cattle, and herbs for the service of man." He clothes the flowers of the field with a splendor, before which the gorgeousness of oriental luxury is dimmed. His benevolent agency operates every where in the tecming earth, the swelling bud, the golden and crimsoned fruit; in the vapor, the dew, the air, the heat, the light, in all their mysterious influences. He is the source of all felicity, health and

THE ART OF LIFE IS THE ABILITY TO OBTAIN FOOD.

Agriculture is the great art of life. In an economieal view it constitutes the subsistence of man. Eating and drinking are deemed vulgar employment; yet who, even among the exquisite of the transcendant school, is not compelled to conform to the fashion.—
The body is often spoken of with disdain, as though there were something degrading in its material elements. In such cases, a reflection is cast upon the divine skill and beneficence in one of their most wenderful exhibitions. But is there not an electric chain of sympathy between the body and mind? What is to become of our philosophy without bread and meat? How is genius to speed her flight, or the fires of the imagination to be kept hright, unless this same body, the dwelling place of the etherial guest, be maintained in its health, elasticity, and vigor. It is enleulated that if the barvest of a single year should fail, the whole of the human race must perish. In our latitude the earth yields nothing unasked and unwoord. All of food and of clothing, all that sustains and protects the body, is the product of sgricultural labor in some of its various forms.

THE PRODUCT OF LABOR THE ONLY REAL WEALTH.

Agriculture is the toundation of wealth. The sen rendera her tribute; but the earth presents to skill and industry richer and infinitely varied contributions. Money is not wealth. It is only the representative of wealth. Money is covered because Money is coveted because it can command labor; but of what use would it be, if labor would not be commanded? What would it avail to passess all the riches of Potosi, if thereby we could not acquire the products of agriculture? What are the manufac-

the barks of commerc in their liquid flight, threading every channel and whitening every port, but the products of agriculture? What constitutes the wealth of the country but her cotton, hemp, sngar, rice, to-bacco, wool, wheat, beef, and pork! Agriculture only can be considered as the creator of wealth. The merchant, the manufacturer, the sailor, the various artisans and tradesmen perform their part in making the products of agriculture more valuable; in transporting them so that the advantages of climate are equalized, and in putting them in a condition for use; but agriculture alone produces. Like the leader of Israel, she strikes the rock, the waters flow, and a famishing people are satisfied. She supplies, she feeds, she quickens all. Agriculture is the commanding interest of the country, with which no single interest, nor indeed all other interests of a secular nature combined, can be brought into competition. AGRICULTURE A SCIENCE DISCLOSING A MINE OF WONDERS.

Agriculture deserves the attention of liberal minds as a science. Like many other sciences, it is in its infancy. We have broken only the outer crust; but it comprehends the mysteries of philosophy. It involves the whole science of life in the vegetable and animal kingdoms; the miracles of actual production, and the power which man may exercise in modifying vegetable and animal existence. The rearing of a tree, regent and animal examine. The company of the maturing of a vegetable, the production of a flower, the forming of a race of animals, with shapes, and dispositions, and qualities, modified to a great extent according to your wishes, are in themselves miracles of a power delegated to man, which an intelligent mind recognizes as divine.

Whoever, looking at a dried seed and kernel, considers what it may become, when the plant shall yield bread or the tree apread out its branches loaded with fruit, whoever considers the nature of the life which lies buried in this shell, and reflects upon the combined influences of earth, and air, and moisture, and heat, and cultivation, in their inscrutable operations, all requisite in precise times, quantities and modes of application, to bring it to perfection, will perceive subjects of inquiry suited to occupy the most gifted intellect. As he approaches this mine of wonders, his bosom will pant with an irrepressible curiosity to gain admission into the hiding place of the Divinity, and to quench his burning thirst at the original fountains of power, life, intelligence, and light. Geology, chemistry, botany, all the branches of natural philosophy, natural history, in its diversified departments, animal and vegetable physiology, comparative anatomy, me-chanics, meteorology, all are involved in an improved agriculture. The nature of soils has been long a subjeet of philosophical investigation; and that, with the application and operation of manures, seems now to be holding in reserve for chemistry its most brilliant triumphs. Do I offend a fastidious ear by a relerence to a topic so humble? In looking at the master piece of human genius in sculpture, the Venus de Medicis, the vulgar mind brings away from the contemplation no higher sentiment than that it is naked. The pure and disciplined mind hardly conscious of this fact, and feeling the responsive movements of the divinity within itself, admires with adoring wonder the triumphs of genius in this sensible embodiment of the highest beauties of form in the works of the Crestor. with other objects in nature, so much depends upon the eye with which we look at them. The vulgar mind, in the heap of manure by the road side, thinks only of its offensiveness and corruption. The well disciplined mind regards it as an element in one of the most affecting miraeles of the Divine power, and aderes that beneficent agency, which, in its mysterious operations, converts this refuse into fruits and flowers.

To consider agriculture as mere servile drudgery, is no more doing it justice, than to consider chemistry as only the art of mingling acids and alkalies, and handling pots and retorts, and crucibles, and filters .-Let the man of cultivated and philosophical mind appreach the subject of agriculture, and he finds " sermons in stones and books in the running streams."-Let him engage in its humblest labors, and the same furrow, which is to bear upon its inverted surface the golden grain to nourish his animal life, will produce bread to est, which common minds know not of, to nourish his intellectual and moral being. There is not one of the natural, or what are called the practical eciences, which may not have a bearing upon agriculit is with agriculture as in other eases, that mere theory will make no man a farmer. Toe common processes and the auccessful execution of the common labors of husbandry can be learned only by practice. He who would bandle a plough well, must tures concerned in but these products? What freights only safe pilot is the man who has been practiced to

stand at the helm. But to think that because we he done these things, that therefore we understand a culture, is as wise as for the man, who should w up to his snkle in some puddle left by the recedi tide upon the sea shore, to pretend that the ocean not very deep.

The nature and use of soils, the artificial combition of them in different cases so as to effect the larg growth and productiveness, the nature of manus their uses, application, operations, and infinite van ties, their mechanical influences, and their chemi effects, the varieties of grasses, grains, plants, fruits, which are or may be cultivated, the habits regetables and the propogation of new varieties influences of light, and heat, and air, and dew, ariin, and electricity upon vegetation, and how they may be controlled by human ingenuity or sk the history and habits of the domestic animals and modes of rearing them to the highest degree of perf tion, the construction of farm implements so as combine the greatest effects with the least expense power, the history of agriculture, its condition and i provements at home and abroad, rural labor, rural) chitecture, agricultural education, the intellectual a moral improvement of the agricultural classes, the co nection of agriculture with national wealth, and w its great sisters, manufactures and commerce, above all, its bearings upon domestic and public hap ness, upon domestic morals—these topics, among of ers which might be named, show that agriculture not destitute, to a philosophic mind, of matters of pr found scientific inquiry.

"TRUE POLITENESS" IN THE COUNTRY AND THE CH Agriculture, as a pursuit, commends itself to pr ons of refined taste and sentiment. I know how shall startle the ear of city fastidiousess by such ans sertion; but I rely upon your candor that I shall a offend by the expression of my honest convictions, There is much in the country that is vulgar, rude at offensive. There is no eccession for this. This is offensive. There is no ecession for this. This is the fault of the country. But is there more of this the country then is to be found in cities? things depend much upon ourselves. The ertifici forms of social intercourse do not prevail in the cou try as in the town-at least they are not the same but it is often delightful to lay aside, at least if a while, the buckrum and the starch. I have be through life familiar with all classes of people. I he been for many years a citizen among cities, and af mer among the farmers. I have been a frequent vi iter in city palaces, and many a time an indweller the humblest mansions in the seeluded parts of t country; and I must say, without derogating from ! refinements of the most improved societies in the ties, that the comparison in respect to courtesy and vility would not turn out to the disadvantage of 1 country. True politeness is not matter of mere for or manner, but of sentiment and heart. There o rade and vulgar people every where, but will not sober judgment pronounce it as great a rudeness to sent knowingly away from the door of one who cal herself a friend by a servant with a lie put in his mout as to be received by the kind woman who welcom us heartily at her wash-tub, or her spinning-whe and sweeps a place for us without apology to sit day at her kitchen fire. You will pardon the homeline of my illustrations. You may thread your beautif valley from the ocean to the mountains; you may, I have done, follow the silver stream, whose home name is borne by your Commonwealth, from the pla where it deposits its contributions in the mighty tre sury of the sea, to its gushing sources under the smo clad summits of the north, and traverse every Sa whose borders are laved by its gentle waters, and go manners on your part will generally be met with corresponding civility. Excepting among the victor and deprayed, you will find no rudeness unless your so unfortunate as to provoke it by your own arrogans

It is tolly to carry city manners and customs in the country. This destroys the simplicity which cor stitutes the charm of rural life. Il you have no tast for rural pleasures, no interest in rural concern, a disposition for rural labors; if you are afraid of soils your hands or browning your cheeks; if you a make no friends with the flocks that whiten the field nor the hirds that make the hills and forests vocal will melody; if you are unwilling that the earliest rayso the dawn should disturb your repose, and your her kindles with no enthusiasm in golden aunset, the flee the country as you would the Siberian desert. I would be to you only a land of discomfort and sol-

AGRICULTURE THE DELIGHT OF GIFTED INTELLECTS. But it is otherwise with many minds. Agriculan West ticulture, far from being diadnined, have been there, the chosen purents, the purest delights of the most gifted intellects; and their en-in in these pursuits hurnt with increasing in-tio the close of life. From the turmoils of war, aggles of political ambition, the harmasing pur-successful trade, the harmasing pursuccessful trade, the busiest seenes of life, e forum, the senate, and the throne, they have gladly to the humble occupation and pleasures life and labor, and have found the precious hich they had so long sought, only in this ulosophy of nature.

country is the land of poetry, and the home of ged imagination, as much as it is the home of is. The charms of the country are unconacknowledged even in cities, when you see y, who live in cities, love to get a grass plat, not larger than a handkerchief, before their or train a woodbine or a boneysuckle to their or crowd their windows with flowers, or air persons with a floral wreath. The first ofof the muses were dedicated to rural life. ving of the golden barvest, in the verdant reading its smooth carpet beneath your feet, in ie ocean of verdure radiant with the richest floral beauty, in the deep and solumn forest, nirrored lake reflecting in perfect distinctness gled beauties of forests and skies, in the flowan image of eternity, in the mountain liftrested top above the clouds, in the boundless in the reddening dawn, in the gorgeousness al forest, there is every thing to kindle the im-n and dilate the heart. When in the advanng the man of reflecting mind and cultivated break of day, witnesses the waking up of beholds the desolation of winter rapidly retiore the empire of spring, and sees day niter lost hour after hour, new forms of vegetable nal life starting into existence, it requires no fort of the imagination to behold a new Eden fore him, and to hear the chorus of the morn-, and "the sons of God shouting for joy."

MPATHY, MORE CHARITY, A HIGHER VALUE SET HUMAN LIFE IN THE COUNTRY THAN IN THE

eaking of the moral aspects of agriculture, I ke no invidious comparisons. The country as few temptations to vicious indulgence as lition in life; perhaps it may be said fewer ons. Agricultural labor, unless pursued to s, so far from being exhaustive and destrucmuch other labor, is triendly to health, and to intellectual vigor and length of life. The tica acem stronger in the country than pity, because we are more dependent on er, and have fewer objects to engross our Human life scems more valued in the

than in the city. In the crowded city men of the atream, and the vacancy is instantly by the rushing torrent, and scarcely produces ectators a conscious emotion. When a valudies in the country, the whole village mourna
There is more of real kindness and benev

apathy in the country then in cities. The cifull of mugnificent charities, the country is e charity of kind offices. In the country, is er sick or afflicted, the whole neighborhood e charity of pt to visit him, to aid him by personal serto watch night after night at his sick bed.— it cannot be so. Cities present some of the er cases of friendlessness to be found in hu tory. Persons suffer, and sicken, and die, perhaps the cognizance of those living under roof and on the same floor. In the country character has a higher value than in cities .every thing is absorbed in the great whirl ess or pleasure; and in crowds, presenting riety of character as of costume, men pass ithout observation. In the country every nown, observed, and watched. His characmes complained of in the country as impertiid intrusiveness. This may sometimes be and it may become annoying; but it is not nt as the complaint of it. That it has a faof human nature, need every security, there

healthful labors of the country, the early e aimple diet, in the open air, in the virtuoua , in the general good morale which prevail, ong sympathy and mutual interest in each tations and facilities of vice, which prevail in more populous communities, an agricultural lite is highly invorable to virtue.

PHILOSOPHY, RIFINEMENT, MORALS, THE CONCOMIT-ANTS OF AGBICULTURE.

I hope I shall be excused for dwelling so long upon the advantages of agricultural and rural life. Agriculture has been too long denied the rank which belongs to it among the pursuits of mankind. I would speak of it as one of the highest pursuits of philosophy. I would gladly commend it to persons of refined sentiment, as abounding in scenes, objects and associations, full of gratification to the most cultivated mind; and for its moral securities and moral influences; it needs no recommendation in a community like yours, presenting in its beautiful villages, among its swelling hills, and its richly cultivated vales, in the character of its rural population, such emphatical de-monstrations of improved education, of correct morals, and of the best influences of religion.

I have bare glanced at these topies, because I would not encronch upon your indulgence. I have done this with the more carnestness, because the tendency of our young people, impelled by avarice or by false views of happiness, has been to forsoke the wholesome pursuits of agriculture, where they found health, competence, and a manly independence, for occupa-tions in the cities, oftentimes of the most servile character; degrading to their self-respect, corrupting to their possions, and proving often the grave of their virtue. Our cities likewise are crowded with young men of professional education, who, with hearts aching from hopes deferred, linger along from year to year until the health is exhausted, habits of indolence are induced and confirmed, and the best portion of life is wasted away without the accomplishment of any valuable object; or the enjoyment of those domestic ties, in which Heaven designed that man should find the strongest security of virtue and the purest fountains of happiness.

AGRICULTURAL IMPROVEMENTS BETTER THAN SPLENDID HOUSES.

I would likewise gladly commend this subject to another class of individuals, whose attention I fear, however, I shall bespeak in vain. Whoever visits our great cities is constantly struck with amnzement at the enormous expense and splendor of many of the private residences; at the extravagant piles of brick and stone, seldom half tenanted, and adapted to real comfort and convenience in an inverse ratio to their inordinate size and their wasteful magnificence. I would aeldom, indeed, advise a person, accustomed through the prime and middle of life to the excitements of business, polities, amusements, and general acciety in the cities, to go at once into the seclusion of the country, especially at that period of life when the vital current becomes sluggish and the physical powers lose their wonted energies; but is it not difficult for such men when their fortunes are made, to enjoy the advantages of the city and the country together. them pass, if they please, their winters in the city; but what immense benefactions might they confer upon society, and what sources of agreeable and useful occupation might they find for themselves, if, instend of spending their fifties or their hundreds of thousands on a brick or stone castle in the city, which they have seldom the means of enabling their children to occupy, and which must therefore, in the course of nature, soon change hands, they would expend some three-fourths of that sum in subduing, cultivating and improving some hundreds of acres in the country, rendering them productive, and planting upon them industrious families. They would breathe into the hearts of their benefactors, the purest of pleasures in welcoming them, whonever they came a-mong them, as their best friends. This seems one of the most useful, as it is certainly one of the most innocent purposes to which wealth can be applied.

CAN AGRICULTURE BE MADE PROFITABLE?

But I must pass on to other topics. The next question then which prises in this case, is whether agriculture can be made profitable: and especially whether it can be made profitable in New England? This is a great question. I can only reply briefly, without going into the various illustrations which might be presented. I will here express my thorough disgust for that inordinate and grovelling avarice, which can find no good but in the accumulation of dollars and cents. Wealth is to be valued for its uses, not for its amount; and a philanthropist can look with sorrow and slarm upon that heartless and frenzied spirit of accumulation, which at one time, like a terrible epidemie, threatened to lay waste all principle and honor, and to moderate desires, matters of pure romance, which wo had somewhere read of in our childhood. righteous laws of Divine Providence, that inordinate thirst for gain without industry, temperance, or frugality, line been so signally rebuked that it will not again immediately show itself. There may still be the appearance of life in its quivering limbs, but few will have cournge or power to attempt its resuscitation.

In the southern portions of our country, invored for the purpose by its peculiar climate and soil, we hear of agricultural returns in their great staples, which confounded the humble calculations to which we in New England ere accustomed. Yet there are abatements in the case, in the perils to health, and in the nature of the labor by which these products are proenred, which, save where the heart is cankered with avarice and inhumanity, at once relieve a New Eng-land man of all envy of such success. The fact land man of all envy of such success. The fact likewise presents itself in the case, strange as the anomaly may seem, that the southern planters are not richer than the northern farmers; they have not so many of the real comforts of life. Many a New England farmer is more independent with his income of a few hundreds, than a southern master of his uncounted acres and his hundreds of slaves, with his income of many thousands. I do not say these things in the spirit of invidious comparisone; I would not mar the pleasures of the occasion by awakening a single unkind feeling. But we may learn, from the facts in the case, a lesson of gratitude, that we are permitted to breathe the bracing air of northern mountains and sens, and the still more invigorating stmosphere of equality of condition and universal freedom.

Agriculture in New England presents no brilliant prizes to the mind bent solely on the accumulation of Yet rough, barren, and inhospitable as New England seems to many persons, yet I can show you, in every town from Lake Champlain to the Aroostook, and from Saybrook to the Canada line, not a few examples of men, who by farming have maintained their families in health and comfort, educated their children well, and if so they pleased, found the means of sending one or more sons to college; exercised, as far as they had occasion, an unstinted hospitality; contributed their full share of the public dues, and are now enjoying the evening of life with an honest conscience and a competence for every reasonable want. The house, in such case, may appear moss-covered and brown with age. No burnished lamps light up its halls, and no carpet soft as down cover its floors; but infinitely preferable is such a dwelling to palaces, where once wealth, the product of defrauded labor, illuminated every room, and revelry and luxury held their frequent courts; and where now, though bankruptcy has long since entered, men are atill living up-on the fragmenta of former luxury or upon hoarded gains, in defiance of justice and honor.

ADVANTAGES OF HIGH CULTIVATION.

Further, my inquiries have satisfied me, that there is not a single crop well cultivated in New England. which in ordinary seasons will not pay a fair rent of the land at current prices, and liberally compensate the labor and cultivation. Our proximity to quick markets gives us great adventages over many parts of the country. In one of my visits to a town on the sca-shore of Massachusetts, in a region whose rock-bound surface seemed to have set cultivation at defiance, I found several acrea of land subdued and improved at the rate of three hundred dollars per acre. Could this be afforded? Look at the case. The land was made to produce three tons of hay to the acre. The price of hay in the vicinity has averaged for years, at least fifteen dollars. The value of one ton of hay per year, is sufficient to gather the crop and keep the land in condition. Thirty dollars then are the net return for the investment. These are examples of extraordinary expenditure and ample profits. The crop of Indian corn is the greatest blessing of our country. The average crop in New England is thirty bushels. It is not difficult to produce fifty to an acre. I have known one hundred and eleven produced on an acre in Massachusetts, as measured after being shelled and dried. At fifty bushels per acre, rating the rough fodder as equal to a ton of English hay, and the grain at seventy cents per bushel, the re-turn may be considered as equal to fifty dollars. Thirty dollars may be considered a high average price for cultivation, and this including the interest upon the value of the land at fifty dollars per acre.

(We here omit the sections entitled "Comparative Products, and Income of the East and West, "Great together, in the absence of multiplied temp- render contentment, competence, and reasonable and Improvements in Stock and Agricultural Implements," and his remarks on Silk Culture .- Ens. FALMER.)

COMFORTS OF A NEW ENGLAND WINTER.

The long winters of New England are often complained of. But let us look at this. The season of cultivation is long enough for the nuturing and perfection of all the vegetable products which the climate and soil are capable of producing; and these embraces an abundance and profusion of the most valuable grains, grasses, vegetables, and fruits, for the whole year. The temperature is favorable to labor. The long winters bring with them opportunities of social While intercourse of the most delightful character. the bracing air of winter gives elasticity to the muscles and vigor to the mind, it affords, in its leisure from out-door tubor, the most favorable opportunities for in-The farmer, in this respect, tellectual improvement has advantages which fall to the lot of few other cond.tions in life. Happy is it for him, when an enlarged education and a taste for books and scientific inquiries enable him to improve them to the greatest advantage. Under these circumstances, no condition in life, to a man of rensonable desires, whose heart is not poisoned by awarice or ambition, seems more privileged or more enviable.

I have said that agriculture as an art, is as yet imperfectly understood. But it is encouraging to contemplate the improvements which have been made in it within the last balt or even quarter of a century, and the rapidity which it is still advancing.

HORTICULTURE AND FLORTICULTURE.

Among the interesting exhibitions of this occasion, Horticulture and Florticulture have presented their liberal contributions. In the variety and perfection of Indian corn, esculent vegetables, and the most valunble fruits, we see every reason to be satisfied with our local condition. If peculiar obstacles to their cultivation present themselves in the soil or climate of New England, we may with an honest pride congratulate ourselves upon that industry and skill, which in defiance of such obstacles successfully produces them. in abundance and perfection.

Flora, likewise, on this charming occasion, holds her court among you, adorned with more than oriental splendor. In the two great fiorial kingdoms of nature, the botanieal and the human, if we must yield the palm to that which is alike transcendant in the benuty of form and motion, and in the higher attributes of intelligence, innocence and moral perfection, yet it can be no derogation to admire, with a rapture bordering upon enthusissm, the splendid products of the garden; and especially when their beauties are combined and arranged as on this occasion, with an exquisite and refined taste. What is the heart made of which can find no sentiment in flowers? In some of the most striking displays of this occasion, in the dahlias for example, we see what can be done by human skill and art in educating and training a simple and despised plant, scarcely thought worthy of cultivation, to the highest rank in gayety and glory and ever varying perfection in the aristocracy of flowers. We may learn from such success, a lesson of encouragement in the education and training of flowers of an infinitely higher value and perfection.

The vast creation of God, the centre and source of good, is every where radiant with beauty. From the shell that lies buried at the depths of the ocean to the twinkling star that floats in the still more profound depths of the firmament, through all the forms of material and animated existence, beauty, beauty, beauty prevails. In the floral kingdom it appears in an infinite variety, in an unatinted and even rich profusion than in other departments of nature. While these contributions are thrown out so lavishly at our feet, and a taste for flowers seems almost an instinct of nature, and is one of the most innocent and refined sentiments which we can cultivate, let us indulge and gratify it to the utmost extent, whereever leisure, opportunity, and fortune give us the means. There is no danger of an excess under these reasonable restrictions, which all our sentiments demand. "But," any, some cynical objector, " flowers are only to please And why should not the eye be pleased? the eye." What sense may be more innocently gratified? They are among the most simple, and at the same time among the cheapest luxuries in which we can indulge.

The taste for flowers, every where increasing a-mong us. is an omen for good. Let us adorn our parlois, doorways, yards, and roadsides, with trees, and shrubs, and flowers. What a delight do they give to the passer by? What favorable impressions do they at once excite towards those who cultivate their an affecting charm, associated as it is with some of the best rentiments of our nature, do they give to the sad dwelling places of the departed and beloved.

The moral influences of such embellishments demands our consideration. I do not mean merely the substitution of such refined tastes and pursuits in place of the gratification of the lower appetites. This is no small matter. But another influence should not be averlooked

Every one familiar with human life must be sensible that mere personal neatness and order are themselve scentities of virtue. As we cultivate these habits and in respect to our residences and the things and objects around us, make a study of rendering them orderly and beautiful, and of adding to them the highest embellishments of art, our own self respect is greatly increased. Next to religious principle nothing operates more than self-respect, as a safeguard to virtue and a stimulant to excellence.

" HOME, SWEET HOME."

The direct tendency of all such embellishments in our grounds and habitations is to multiply the attractions of home, and to strengthen the domestic ties. It is the glory of New England that these precious ties are no where stronger or more sacred. I would bind her children if possible, by chains a thousand times more cuduring. In all my journeyings into other lands, favored as they may be by the highest advantages of climate and soil, I come back to New England with all the enthusiasm of a first love, and a filial affection which, if possible, has only gained new strength from absence. Indeed there is every thing in her to love and honor. Let us seek to render every spot of her sude territory beautiful. To the eminent picturesqueness of her natural scenery, adding the triumphs of an industrious, skilful, and tasteful cultivation, every substantial want of our nature will be supplied, every refined sentiment of the mind gratfied; and the true New England heart will seek no other Eden this side of that better country where flowers bloom with a radiance which never fades, and "one unbounded and eternal spring encircles all'

A Correction -- Feeding Berkshires.

Messas. Editors-I wish to correct a small mistake that appeared in the published report of the committee on Swine, appointed by the Tompkins County Agricultural and Horticultural Society to report at its last annual fair. It is contained in the extract you have made from that report (on page 24, last month.) It rends "Fat, 83 63 9." It should be Feet. The error is a small one, but is somewhat important, as it shows the difference in the coarseness of the three animals. I made another experiment the past fall in cutting up two three-quarter blood Berkshire hogs, and found the result to correspond very nearly with the table you have published, although the hogs were heavier, weighing 360 each.

The reading of T. C. Peters' valuable letter on the ubject of "Piggery and Pork Making," induces me to give you a short account of my method of wintering store swine, consisting of ten full blood Berkshire breeding sows, three full blood Berkshire boars, and shorts of different ages, to make in all twenty-two. These I have shut up in lots of from two to four each, and feed them twice a day, say morning and evening, with one cent's worth of boiled corn each-corn at 3s. 6d. per bushel-or 1 lb, 4oz. each, before it is boiled. I boil the corn about twelve hours by putting it over the stove in the morning in a copper boiler, and let it cook through the day-let it cool in the night. and feed it the next day. I find that twenty-eight pounds of corn, when boiled will weigh sixty-eight pounds, and it increases se much in bulk as in weight. I feed no water nor slop of any kind to my hoga; they have nothing but the boiled corn, and they come out in the spring in as good condition as they were in the full This is the second winter that I have pursued this practice. I have also tried the plan of boiling potatoes and ruta baga, and mixing bran, shorts, &c. with them, to make swill; but it costs more that way than on boiled corn.

I wish to inquire of Col. Sawyer whether the por-

rect in their proportions. If they are not they tendency to mislead the public; but if they are they add value to your journal. It is a subject hope gentlemen giving portraits of animals v careful about,-that the beauty of the portrai depend on the excellence of the animal and not skill and fancy of the artist.

Yours respectfully,

E. CORNEL 6.00 Ithaca, Tompkins Co., Feb., 1841.

Remark .- The Portrnits are pronounced ver rect.—Ens.

Maple Sugar.

The following communication contains exbints on the subject of making maple sugar, two leading requisites for success, we believe boiling the san as fresh from the tree as possible the most punctillious cleanliness in all the di operations. As the season for this work will commence, we recommend the remarks of or respondent to those interested, as well as those S. Chew, from the Ohio Farmer, published last on page 45 of this journal. We believe it to easy and economical, by proper management, to beautiful, white, crystalized maple sugar, as the mon, dirty looking, brown substance, which generally in fact, the very cleanest production material world.

Messrs. Epitons-Having seen in your page inquiry for making a vat or box for boiling sap, having long wondered that so little attention was j to making maple sugar, I give some of my own rience in relation to it. I have been surprised t so little disposition to improve the usual mor catching the sap in troughs, and boiling it in h bung on a pole, by which it is filled with all me of filth, and the article of maple sugar, (the pure all sweets,) rendered unwholesome and forbiddit it comes into market.

From twenty years' experience and observe using kettles in various ways, I have adopted if iron pans, which are here coming into common and have been used for ten or twelve years with success. Pans with sheet iron bottoms and was sides did not succeed well. The pans are simple sheet of Russia iron turned up at the sides and about three inches, and will hold about three! while boiling. A rim of band iron is rivetted to about one inch wide, with rings as bandles. cost of a pan is about \$4. Two or three are lengthwise on an arch, built of atone; from one half to two feet in depth, and about twenty inch breadth, the pan being about twenty-two inc The arch should be even on top, and a wide b wrought or cast iron across the arch between and der the pans to prevent the heat from the fire read the sidea. The pans are slid off when emptied. of these will boil about as much as a cauldron ken

I have for some years past used six, set three on arch, side by side, and have about six hundred trees buckets for the same, and average about twelvel dred pounds per year of augar, which fetches ele cents per pound, and the profits are from \$80 to \$1 This is done at a season of the year when little can be done on a farm.

The sugar hoiled in pans, I believe to be ten] cent better than in kettles, other things being eq-To make maple sugar as it should be, much care needed to keep every thing used about it eleans sweet, and the sap should be boiled as soon as it : be to prevent fermentation. Maple sap of itself has color, and if it could be crystalized without at would be white and transparent, and the sweet of t own gratification, and find, after all, their chief plea-

er remedy is to keep it clean. put into the syrup while over the fire, will free importation to fail also ? the acidity caused by fermentation.

GEO. HUMPHREY.

ord, Feb , 1941.

ices fuvorable to National Exports and National Wealth.

s. Epitors-Within the last two weeks 12,-,000 barrels of flour have been purchased at New York, for shipment to England. Becan be consumed there, it must pay 50 cents reight, \$3 duty in the English port, and abents commission, &c., which will make the the consumer in England about \$8,50 per

in spite of the duty of \$3 per bbl. on Amerr in England for the protection of her agrinterests, the r profits are very much reduced empetition of our bread stuffs in their own

iends of free trade in the United States, may the above facts to show the bitter fruits of a ective tariff. They say that it only inflates home, thus enabling the British manufactudersell us not only in the foreign market, but ar own ports. The experience of the last two st positively shows that the low prices of our ral productions have had the effect to treble rts of manufactured articles, a consummah could not have taken place under a protecwith high prices for the necessaries of life quent high prices of labor.

the agricultural staples of a country are sold ces, the price of manufactured articles connem, -both become substantially the articles ntion, and the country gets out of debt much n it would if prices were so high as to stop an. Another and paramount advantage up, from the low prices of its productions, is now no longer hear of chips rotting at the they are busily employed carrying the prour soil and our work shops to every part of

England take off the duty on American ald not English corn have to fall in price as a consequence, or be driven into the granaported bread stuffs? Certainly it must, and would be that all manufactured articles in would be sold at correspondent low prices. nanufactures would then more successfully ith our own, in our markets in spite of our they would effectually drive our manufacof the great South American and other forets.

lough we are opposed in the main to a tariff v for protection, we feel that a tariff for reduld be so mended and increased as to act as vailing duty, while it also protects those of American industry which have already d in the absence of all protection.

i that every hogshead of tobacco shipped to ys an impost there of \$300. As France duce tobacco, this duty is ten fold as one-American tobacco planters, as the operation n laws of England can be to the wheat f the United States, as our foregoing reexplain Hence we premise that the most dvocate of free trade will not oppose counduties on French silks and wine. We have ous communication shown that the balance gainst us with France is more than 14 milally. A balance which has heretofore been

Pearlash or of both States and Bank, ought not such excessive

Chuse of the "Decay of Ruth Bagas," Messrs. Thomas & Bateham-1 see in your paper of January, an inquiry made by Silas Pratt, of Chili, as to the cause of his Ruta Bagas rotting,

I have, the last fourteen years, cultivated both the sugar beet and ruta baga, raising from 2000 to 3000 bushels for my cowe. I have almost invariably found that when I sweed early my roots were more or less rotted. In 1839 I lost most of my crop from that cause, having sowed the seed as early as the first of June. The last season I sowed from the 15th to 20th. I had scarcely a defective one. I have always observed that those which are sowed early grow very rapidly at first, but are generally checked in their growth by the heat and drought of July, in which state they remained until the fall rains set in, when, from so great a change from drought to excessive moisture. the roots crack open, rot, and disappoint the expectations of the farmer. Should these suggestions prove of service to Mr. Pratt, or any others who have met with a similar disappointment, it will give pleasure to A NEW SUBSCRIBER.

Roxbury, Mass., Feby. 1841.

For the New Genesce Farmer. Rats and Rat Catching.

Messrs. Editors-The sagacity and cunning of this little animal are really extraordinary, and its daring courage is truly remarkable, considering its small size. Although almost every body can produce a budget of stories about rata; yet how few are there who have accurately observed their habits, or even suffieiently to rid themselves of such destructive vermin; and it here occurs to my mind that I have never seen the subject treated on in an agricultural paper. We may often see people earefully baiting traps in a place where rate are swarming, and marvelling that none can be tempted to enter; when the simple reason is that from want of a little consideration, the sagacious instinct of the little animal is a match for the bad attempts made to capture it. The black rat (mus rattus) is characterized by the body being black above, while the brown or Norway rat, (mus decummans,) has the upper part of the body covered with light brown hair, and whitish underneath. The black rats are not very numerous, because the brown rats prey on them whenever they meet-the brown rats aid likewise in keeping their own species in check, a large rat being the terror of the small ones. If it were not for this fact, we should surely be overrun, for they are very prolific, breeding three times a year; producing from ten to twenty in a litter.

The enemies most dreaded by the rat are the common weasel and the ferret. These little creatures, in proportion to their size, are more blood thirsty and da ring than the most tremendous and rapacious quadrupeds. A cat or a dog cannot follow a rat into its hole, consequently they are of little use, compared with the weasel or ferrot. Only turn a single one down a rat hole, and the horror and alarm created is soon manifest. The rate fly with all possible speed, the ferret pursuing and darting at the neck. I have been acquainted with several men who followed this occupation, and they told me that their ferrets were frequently wounded severely, sometimes losing an eye in the conflict; but the moment it fixes itself on the neck, its victim is secured, for it cannot be shaken off until it has drained the life blood.

Farmers may sometimes drive away rats from their premises in the summer season, by blocking up their holes with broken glass, [or blacksmith's cinders .rafts on England, State Stocks, United Eps.] and plastering them with mortar, repenting the ik Stocks, &c. &c. But since the failure process wherever new holes appear.

Among other expedients, I have tried a box balanced on a stick, with a bait on the end. One morning I found my box down, and on raising it I found no rat, but a quantity of little chips, for the little rogue had gnawed his way out; but this I remedied with a narrow strip of tan round the lower edge. Another way is to smear a rat, (when caught,) all over with spirita of turpentine, set it on fire, and start him into one of the most frequented boles. A friend once told ma that he took a full grown rat, and first cutting off his tail and cars, he singed off the hair, and fastened a fringe of stiff writing paper round his neck and let him go; but the whole body politic did not choose to be scared for one unlucky vagrant,

Now, my advice to any of your readers who may be troubled with rats is, to procure, if possible, a weasel or ferret, and turn him into the principle holes about once a month. But if neither can be procured, try the expedients above mentioned; but in case of these failing, the rate may be materially checked by persevering in the use of traps, baited with the following mixture:-Take of oatmeal one quart, one grain of musk, and six drops of the oil of rhedium. Put the musk and oil into sufficient sweet milk to moisten the meal; then mix all together in a stiff paste. The oil of rhodium can generally be procured at a druggist's store; and seldem fails, together with the musk, to draw rate into any place. Caution is requisite to guard against the common cause of trapsfailing, which is the smell of the hand. This can be avoided by using an old knife or spoon,

Yates Co., Feb., 1841.

Hundreds of thousands of dollars are yearly wasted in this State by the depredations of rats, and the subject is well worthy of attention. Dr. Godman, who says they "are the veriest scoundrels in the brute creation," (though more excusable than some other secundrels,) recommends poisoning them with nux vomica. mixed with corn meal, and scented with oil of rhodium, which he says is very effectual. In using steel traps, a good way is to conceal them in light bran, using a spoon instead of the hands in covering them, although in this case, when the surface of the bran has been profusely baited, we have sometimes seen it marked thickly with their tracks, except directly over

For the New Genesee Farmer.

The Importance of Indian Corn as a Crop for Man and Beast.

Messes. Epitors-Humbolt says that the Musa Paradisica, misnamed by his translator Banana, inatead of Plantain, is to the inhabitants of the torrid zone, what the cereal grasses, wheat, rye, oats, and barley, are to the inhabitants of Europe.

A single bunch of this vegetable weighs from 65 to 88 lbs. It is probable, as Humbolt asserts, that there is no other plant capable of producing so much nutriment, on so small a space of ground,-still, the cultivation of Maize (Indian) corn is much more general in equinoctial America, but bfor the subsistance of man and beant, than any other vegetable production .-Ought not this single fact to encourage our farmers to give more of their attention to the crop of Indian corn. There is no doubt but that on a first rate soil, 100 bushels per acre may be easily produced. A heavy growth of stocks as fodder, particularly in a dry scason, has never yet been duly appreciated; and the working of the soil planted with corn, is a certain means of enadicating those weeds which are so often introduced by manure in the cultivation of the cereal

ERRATUM.-Page 42, Cel. 1st, line 23, of this number, for "him" rend he.

Hills and Forest Trees.

MESSRS, EDITORS-During our perceptinations this winter, which have not been 'few nor far between,' though confined chiefly to this State, we have seen many, very many, beautiful farms; and which we believe might be rendered still more beautiful by a little attention, and at a comparatively trifling expense on the part of the owners, to a portion of them now nearly or quite useless and unproductive.

We allude to the small gravel and sand hills (in some instances calcareous) so common throughout our State, more particularly in the Western part of it. Many of these are so steep that when the surface is disturbed by the plough, (which should never be,) much, and in some instances nearly all the productive portions of the soil is washed down by heavy rains, and finds its way to the plains below; and as these, by this unavoidable process, (if the surfaces of steep declevities are disturbed,) become enriched, the hills become impoverished, and very nearly in the same retio.

One who has not closely observed these operations, can have no adequate conception of the vast quantity of earth that descends from mountains and hills, when these are disrobed of their natural covering by any of the operations of art, even when undisturbed by culti vation. In many instances these effects are ruinous to both, for years at lesst, and perhaps would require a century to regain their wonted fertility. Now all this may be prevented, and in our opinion ought to be; and will therefore venture to propose the following beautifying, cheop, and at the same time profitable, method of accomplishing so desirable an object.

Let the owners of these hitherto naked and comparatively unproductive and unseemly bills, provide themselves with a few bushels of ehestnuts, blackwalnuts, hickory-nuts, butternuts, acorns of the several kinds, as well as the seeds of the pine and locust -in short, all, or any of the seeds of our native forest trees, which fancy, taste, or utility may dictate.-There are also many shrubs that are eminently beautiful, and worthy the attention not only of the horticulturist but of the agriculturist; all or any of them might be selected at plessure, to beautify, enrich, and adorn these now uninviting portions of their farms. The seeds should be gathered as soon as fully ripe, and sown, without depriving them of their natural covering, broadcast, in November of December. This method is to be preferred for the sake of avoiding that detestable regularity too frequently observable in door yards. lawns, and pleasure grounds, as well as in orchards of fruit trees. The sameness of such a view tires the eye, as does an extended plain without any undulation of surface.

If this has been neglected during the months of November and December, it can be done even now, with as great a certainty of success, as freezing is only required to facilitate the vegetating process. This done, the covering may be performed early in the spring, by means of a shovel plough or heavy harrow -the latter being preferable, as only a slight covering is required; for nature, who never errs, drops them on the surface to be covered only with a few leaves. and the work is completed; and if timely and properly performed, he will not only be astonished by the rapidity of their growth, but in a few years emply rewarded, yea a thousand fold, for all their toil and trou ble: and thus these hitherto neglected portions of his farm, be the most ornsmental, and probably the most valuable part of his whole domain.

Let none deem th's work a useless ornament; for whatever beautifies and renders more dear to man his home, can never, by a reflecting and sonsible mind, be deemed uscless.

"Happy the man whose wish and care. A few paternal acres bound: Content to breathe his native air

In his own ground. Whose fields with bread, whose herds with milk, Whose flocks supply him with attire,

Whose trees in summer yield him shade, In winter fire."

In a future article, should this meet with a favorable reception, we may give you our thoughts on the injuries already done, when little more than half a century has clapsed since the sound of the woodman's axe was first heard in our noble forest, and in his mad career, cherishing malice propense against every tree. bush, and shrub, has well nigh swept the whole from the earth, not only to the great detriment of the soil, but even to the climate and health of our beloved country; and with it the noblest ornament and greatest source of wealth to any country-its majestic for-NATURAL CROOK & CO.

Hemlock Hill, near Silver Pond, Jan. 1841.

Military Fines.

An esteemed correspondent, in allusion to that part of Governor Seward's message, which relates to military fines, and consciencious scruples against paving them, suggests, that such persons pay an equivalent of the cost of military service, to be expended in books published by the American Peace Society, for distribution in the common school libraries, and in tracts to be placed in families, for the spread of the principles of peace. He wishes to throw out this hint for public attention. As his communication is rather foreign to the objects of this paper, we hope he will excuse us for not publishing it at length.

Farming in Allegany County.

Joseph B. Skiff, of Hume, Allegany co., gives the following average products of a farm in that place for the three past years, as an indication of the state of agriculture there, and not as any thing unusual or extraordinary for that region.

	1838	'39	'40
Winter wheat,	. 163	17	20
Spring wheat,	. 184	12	15
Barley,	. 14	25	37
Oats,	. 27	51	40
Corn,	. 50	25	40
Potatoes,	.300	233	288
Hav	11	1.1	11

Importation of Silk.

The Journal of the American Society states that the importation of silk into the United States, during the year ending 30th of September, 1839, amounting to nearly twenty-three millions of dollars. Compared with other articles imported, that of silk is one. fourth more than the amount of any other. The amount of manufactures of cotton imported was \$14,-gar amounted to \$9,924,632; linen, \$6,731,278. So that the importation of silk nearly equals that of woollen and linen together, and is equal to half of the other fabrica combined.

From the Magazine of Horticulture.

On the Cultivation of the Dahlia.

Agreeably to your desire, I send you a few remarks on the cultivation of the dahlia; and, if you deem them of interest to your readers, you may insert them in your valuable Magazine.

This much esteemed flower, having been for many years a great favorite of mine, I have perhaps devoted more time to its cultivation, and had opportunities of seeing it planted in a greater variety of soils and situations than the majority of your readers; therefore, without hesitation, I give you the result of my experience.

I have invariably found the best general bloom upon those roots which were planted upon a moderately

rich, sandy loam, in a cool situation-if a clsy bo so much the more favorable-as in hot and dry tions they do not suffer so much from drought, as planted upon a gravelly or sandy bottom.

Planting the roots upon a proper soil, near the gin of a river; or other large body of water, see me the best adapted to ensure a perfect bloom of exquisitely formed flower, as the continual evation from the surface in warm weather, produces midity in the atmosphere, much more congeni the nature of the plant, than can be accomplishe any artificial means.*

I admit that cultivators may obtain some very flowers from plantations made upon a dry, sandy but neither will the flowers be as abundant, or as ns those upon plants growing on the favorable los just noticed; and, if planted upon a strong, rick the cultivator will have a much more vigorous gr of plants, but with a diminished quantity of

These remarks will not opply to the striped and tled varieties, so far as regards the soil. An ex ment which I tried last summer, with that novel ty, Striata formosissima, leads me to the conclu-that to bring out the colors, the plants will do upon a poor gravelly soil, than elsewhere. periment was as follows :-

No. 1, I plented in poor, gravelly soil, in an situation, and all the flowers but two were beauti mottled. No. 2, I planted upon a soil, as first recomme

shove, and not one half of the flowers were moul 3. Three plants, very highly snriched, and ery bloom but one was self-covered. [The se sults have attended our own cultivation of the Sp

formosiesima.—Ep.]

Respectfully yours,

Harlem, N. Y. Nov. 10, 1840. T. DUNLAR

> From the Western Farmer and Garde To the Ladies.

"No more toil

Of their sweet gardealog labor than sufficed To recommend cool zepbyr, and make ease More easy, wholesome thirst and appetite More grateful." Since the editors of this work are doing so much

enlighten the stronger half of creation, as to the and means of securing the solids and durables of l it is but fair that something should be said to enlist attention of the gentler sex, in regard to the ornam

Let me be understood, then, as giving you, and all, an earnest request to take up the scier cultivation, in what pertains to ornemental gardeni
"Poh!"—says some good house-wife, looking
from a portentious pile of stockinge—"What's use of fuddling and quidling over plants and flower " Dear me !" says a young lady, between sixteen eighteen, engaged in the momentous pursuits in to that time of life—"How is any one to find time attend to such things?" "Oh!" says snother. admire plants and fine shrubbery, but then they a expensive! one must pay so much for them, and h a man to tend them, &c., &c. And there are ! others, we must confess, even among our owns who, should you show them the most peerless of fe res, in its fullest bloom, would tell you quite comporty, "La! that's only a rose, I've seen thousand 'em!" To this last class, any argument on the seject of such very common affairs would be entirely. place.

But as ladies in general, and American ladies particular, never do any thing, even to undergoing tightest lacing, and wearing the thinnest aboes in coldest winter weather, without having good and at cient reasons to sustain them, we must of course g a few solid ones, as to why the pursuit of ornami gardening is so particularly to be recommended to the

*Of this, we think, there can be no doubt. Mr. Thurw of New York, whose garden is situated at Astoria, be nearly opposite Hurlgate, immediately upon the East far running to within twenty feet of the water, has not the for several years, to produce an abundant bloom; while for several years, to produce an abundant bloom; while other phaces, have from the same number of plants. But, as it is impac-form the same number of plants. But, as it is impac-for most cultivators to avail themselves of such a situal the best means must be adopted for procuring flower the best means must be adopted for procuring flower such soit and situations as those who are admirers of dallia, possess. This will undoubtedly be best effects planting in the best soil and most favorable aspect that platting in the best soil and most flavorable aspect that garden affords. If the soil is sandy it should be well tree d, in order that it may retain moisture a greater lengthie, and allow the routs to penetrate more redaily greater depth, which will enable the plants to wither drught. When the extent of a gradea will allow d choice of suci a locality as Mr. Duhlap recomments should at once be selected.—En.

the first place it conduces to health. A gentleof my acquaintance told me, that he would ride ty miles to see one really healthy woman! and henomenon we think would be rare enough to jushe effort. Now all our treaties on the preservaf health, in recommending exertion naits "sine on," insist also, that that exercise must be taken open air, and that the mind must be engaged xcited equally with the body. New what occufulfils these conditions like gardening? Let me practice it a while out of doors, on a benutiful g morning, with all the delightful excitement of yout a border, sowing seeds, transplanting and ging shrubbery, and they will find by the quick every pulse, and the glow of the cheek, how ful is the exercise. And as a sort of supple-to this part of my subject, I would add, that the it of gardening leads directly to early rising, me of its most important offices must be perd before the burning heats of the day come on. 'dear me!' says some young lady, "I never p early; if that is necessary in order to raise s, I never shall do it!" Never fear, my fair once get your heart and soul engaged in the r, and you will rise early, because you cannot The images of your geraniums and roses aunt your morning pillow, and you will be down he first dawn, to see if the blossoms they promie day before, have stolen forth, like beautiful

n again, gardening is a graceful accomplish-for a lady, and has so been held from the time of r Eve—if we may credit the saying of a very old gentleman, one Mr. John Milton, who many handsome lines to that effect, and who ery much admired in times when every body write such fine poetry ns they can now-s--We seriously think that it is every woman's ce, as far as in her lies, to see that the outside of welling is well arranged, trimmed, and ornal, as to endeavor after bright brasses, pretty carid handseme china, in the inside.

in the stilness of night.

hat is the use of flowers !" exclaims a thritty keeper, meanwhile busily polishing her fire-What is the use of bright fire-irons, say we ly? or of any fire-irons at all? could not you a fire on two stones, that would keep you quite m? What's the use of handsome table cloths d spreads? one might eat on a board, and sleep a buffalo skin, and not really starve either !

much for the "utile." Perhaps many of our s will remember how involuntary was the gent they have formed, in riding by houses, as to irscter of their inmates. When you see a house ig all alone, bare of shrub or flower, except perome volunteer bunches of thistle and pig-weed; o you infer of its inmates? And when you assed even a log cabin, where the sweet brier refully trained around the door, while veils of ing glories and of acarlet beans, shade the win ado you not immediately think of the dwellers as neat, cheerful and agreeable? This is more ally the case in regard to the homes of the poor. edit of the rich man's grounds may belong to dener, but they who can keep no gardener, lose simple flower garden springs out of mostolen from necessary labor, possess a genuine erdial love of the beautiful, to render an humble ig so fragrant and fair.

then the time and expense of keeping an ortal garden!"-saya some one.-Good, my this is a consideration—but I have used up my f paper. Next month, however, I may show

FEET .- How often do we see people trampout in the mud, with lenther soaked through, w often do such people when they return home, wn by the fireside and permit their feet to dry changing either their stockings or shoes .then wonder at the coughing and barking, sumatism and inflammation, which enable the to ride in their carriages? Wet feet most nly produce affection of the throat and lungs; en such diseases have once taken place, "the is on fire," danger is not far off: therefore, let eat our readers, no matter how healthy, to gainst wet feet .- Med. Adr.

at has no bread to spare, should never keep s

Population Statistics.

We appex a comparative view of the Census of the United States at the several enumerations taken by order of the general government from 1800 to 1840.-The increase of population since 1830, is at least roun MILLIONS. The present population of the United States is very little short of Seventeen Millions.

States.	1800.	1510.	1820.	1±30.	1≅10,
Maine	151,719			399,955	501,796
N. Hamp.	183,762	214,360	244,161	269,328	251,481
Vermont	151,465	217,713	235,764	250,652	201,848
Mass,	423,245	472,040	523,247	610, 108	737,466
It. Island	69,122	77,031	83,059	97,199	108,837
Conn.	251,002	202,012	275,202		310,023
New York	586,756	959,949	1,372,512	1,918,698	2,432,835
New Jer.	21 ,949	249,555	277,575	302,523	372,352
Penn.	602,365	810,091	1,049,155	1,348,233	t,669,717
Delaware	61,273	72,674	72,749	76.74-	78,120
Maryland	311,518	380,546	407,350	447,040	467,228
Virginia	850,200	974,622	1,065,379	1,211,105	1,231,411
N Carolina	478,103	555,500	638,829	737.9-7	753,110
S Carolina	315,591	415,115	502,741	551,155	549,439
Georgia	162,161	552,433	340,9-7	516,523	*4:9,164
Mahama		20.845	127,901	309,529	1479,449
Mississippi,	8,830	40,352	75.448	136,621	376,099
Louisiana	'	76,556	153,407	215,739	1249,638
Tennessee	105,602	261,727	422,813	6-1,904	a = 23,037
Kentucky	220,955	406,511	561,317	6-7,917	,
Ohio	45 365	230,760	581,434	937,903	1,515,695
Indiana	1,875	21,520	147,178	343,031	653,314
Illinois	,,,,,,	12,283	55,211	157,455	423,934
Missouri		20,45	66,556	140,145	e 327,731
Michigan	i	4,762	8.876	31 639	211,705
Arkansas		.,	14,273	30,3~~	04,912
Dis Col.	14,093	24,023	33,039	39,334	43,712
Fl. Ter.	, ,	,	,	34,730	
Wis. Ter	1			,	30,692
lowa Ter.	1				43,305
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					20,000
Total.	5.305.925	7 239.811	9.638.134	12.566920	15,775,843
	-,		.,,	,. 500-40	,

6 Bradford county and parts of Union and Luzerne not in-

luded
* Nine counties not received.

f Incomplete.

Returns from the Western district not received.

I Returns from the Western district not received.

a Part of Mooroe country not received.

c Seven counties not returned according to law, and not included in this aggregate. It is supposed they have a population of about 30,000.

	ROGRESS OF THE	WHOLE POPULATION.
Vear.	Number.	Increase.
1790.	3,929,827	
1800.	5,305,925	1,375,098 or 35.1 per cent.
1810.	7,239,814	1,933,889 " 36.3 "
1-20.	9,638,131	2,398,317 " 33.1 "
1830.	12,866,920	3,227,789 " 33.5 "
1840, about	16,900,843	4,033,923 " 31.1 "
-		1 . 11

By an examination of the tables it will be seen that the white population has increased in a very uniform ratio from 1790 to the present time; the increase in no decade being less than 34 per cent., nor more than 36.1 per cent. The ratio of increase among the free colored people has been very fluctuating; but taking the colored population en masse, slaves and free, the fluctuation has been moderate down to 1830, and the average ratio of increase nearly as great as among the whites. But for some reason or other, (perhaps the Abolitionists can explain it,) the ratio of increase for the last ten years, has been greatly reduced, both among free negroes and slaves. A few have gone to Texas and Canada, perhas 30,000 in all, but this affords a very imperfect explanation of the phenomenon. - Jour. Com.

For the New Genesce Farmer. Education of Farmers' Children -- No. 2.

Of the kind and quantity of education for the children of farmers, the following would be a just estimate:-1. It should be appropriate and pertinent; 2. practical, as far as may be; 3. extensive as their condition and means will permit; 4. moral and intellectual; and 5, elerating, and not depressing, them in their rank in life.

These particulars will comprchend more perhaps than some will be ready to admit; but, it is believed. not more than is required by all above the middling class of larmers. The acquisition of it by this pertion will soon exert a salutary influence on those below them. It embraces what is necessary for all, that education in the common and elementary branches of which no youth in our country should grow up ignorant; next that which is specially pertinent to the farmer, that knowledge of agricultural subjects which is placed within his power; next, instruction in various kindred objects, and those general subjects which have a connection with our most important civil and social relations, including much of natural philosophy, some chemistry, moral philosophy, the elements of prove a perfect remedy.

the principles of government and our constitutions and laws, and the rights and duties and privileges of citizens, and something of pelitical economy or the knowledge of the classes of men and of production and distribution of property as well as of con:merce and money.

Besides these, there are various studies, which have an indirect but powerful influence in forming the mind, and strengthening it and fitting it for thinking correctly and closely and profitably, such as algebra, geometry, languages as the Latin, botany, mineralogy, surveying, rhetoric, a portion of geology, and other things of less consequence. Those may have no direct influence upon the son or daughter in fitting them for the immediate labors of a farm, or garden, or farm house; but they exert a great influence upon the mind, to bring out its powers, and to give to it energy and activity. Several of these are important to the sons especially, and will preserve them nearer the level of the daughters, as they will keep them longer at school, will carry more of them from home a few months, and show them more of men and manners, and will place them more on their own responsibility, and tend to elevate their whole

It is an undoubted fact, that the daughters too often receive these advantages to a greater degree than the sons, and that the latter are depressed by the comparison. Besides, many of these extra studies are recited to both, and may be obtained by them. They will employ the sons longer, and when their minds are made more mature. But, how far they shall be pursued in any case, must be left to the good judgments of parents and the parties concerned. True it is, that the sons need more special attention. They would not be so likely to be dissatisfied with their condition in life, and another end would be gained too by such a course; the daughters, expecting a settlement in the same relative condition, would have a stronger inducement to qualify themselves for those household duties, for which they will find a strong and constant call. In this respect, there is need, too, of correction of mistakes, and the practical education of the daughters should go on hand in hand with that of the sons. The latter should not alone be required to labor and toil in the appropriate works of a farmer and of a farmer's house. For these domestic duties, there needs a wise preparation. He that by the plough would thrire, must either hold or drive, is a plain practical truth in all places, and conditions, and business. The mistress of a family has no less occasion for its application than the farmer himself.

Finally, such an enlarged education would make the sons and daughters more suitable companions for each other, and the amount of happiness would be greatly increased. The rank, the notions, the aims. and the efforts, would be more nearly alike. They would be far more contented with that truly honorable and happy condition in which their benevolent Father has placed them. Their children will be provided for in a wiser manner, so that their "sons may be as plants grown up in their youth, and our daughters may be as corner stones polished after the similitude of a palace."

Rochester, Feb. 1841.

A DURABLE WHITEWASH .- Before putting your lime, which should be unslacked, into the water, saturate the water with muriate of soda, (common salt.) This will make a whitewash that will not rub off nor crack, and is very lasting.

CTRE FOR TOOTH ACHE .- Mix alum and common salt in equal quantities, finely pulverized. Then wet some cotton, large enough to fill the cavity, which cover with salt and alumn and apply it. We have the authority of those who have tested it, to say it will

To Correspondents.

We thank a fair incognita for her letter, but cannot guess out the enigma it contains. We shall wait with impatience the promised answer, and can assure her the favor will be highly appreciated. We hone she will not yet lay uside her useful pen. The errors mentioned were in the copy.

WHERE IS ANNETTE? There have been quite of number of inquiries respecting her of late. Her communications have had a good effect, and we hope she will not abandon us. IF We have received a beautiful song, composed in her preise, and set to music. If she will only inform us of her whereabouts, we will forward it to her, or call and present it in propria personæ.-Ed. Jr.

"Graham's Magazine," and "Godey's Lady's Book."

We are now in the regular receipt of these two elegant periodicals, and as some of our readers are lovers of fashionable literature we would recommend them to their notice. The engravings alone are worth the price of subscription. WM. A. HERRICK is agent at Rochester.

Genesee County Agricultural Society.

We are informed by T. C. PETERS, Esq., President of the Society, that, at a meeting held Feb. 10, a list of over 200 premiums was made out for the coming season, and it was decided to hold the annual Exhibition and Fair at Alexander on Wednesday and Thursday, the 13th and 14th of October next. The list of premiums will be circulated in hondbill form. C. P. TURNER, Esq., is Secretary, Batavia.

State Bounty on Silk.

The Committee of the Assembly, to whom the subject was referred, have reported a bill entitled "An act to encourage the growth and monufocutre of Silk." It provides that a bounty be paid, of fifteen cents for each pound of cocoons, and fifty cents for each pound of reeled silk produced in the State. The report is an interesting one, and we will publish it next month, by which time we hope the bill will become a law.

Large Hogs.

Mr. Geo. W. Atwill, of Lima, Livingston Co., slaughtered a sow and nine pigs, the weight of which when dressed, was 4,414 lbs. The pigs were less t'ian eighteen months old. The litter consisted of ten in all; one of them was sold. They were a mixed breed, mostly Leicester and Byfield. The weight of each was as follows: - Sow, 493; Pigs, 466, 454, 370, 511, 430, 445, 397, 406, 442. Total, 4,444. Average, 444 each. Quite a lusty family of porkers!

Another. Mr. Hendrickson, near Miamisburg, Ohio, has a

hog (common breed we suppose) which weighed, in O tober last, 838 lbs. - about three and a half yea old. He has also a fine full blooded Berkshire boarparticulars ust given. Mr. Rogers, of Mismisburg also, has some thrifty pigs-part Berkshires.

Large Pigs.

Mr. Sheldon Cook, of Bergen, Genesee Co., slaughtered 7 pigs, of a cross breed, (Leicester and Berkshire,) only 7 months old, all of one litter,which weighed, when dressed, 1,500 lbs. The largest weighed 244 lbs. They were not fed corn, excepting about the last two months. Has any body had larger, of no greater age ?

More Yet!

Mr. Samuel Lundy, of Waterloo, informs us that he slaughtered 12 spring pigs, Leicoster breed; which weighed, when dressed, 3.044 lbs. The 6 oldest were 91 months old, and weighed 1760 lbs. One of the largest weighed 308 lbs. He challenges the Berkshires to beat this. If the expense of feeding was considered, perhaps the Berkshires would appear to the best advantage; also in the quality of the pork.

"Frank."

Our thanks are due to Messrs. Kimber & Sharpless for three copies of "Frank, or Dialogues between a Father and Son, on the subject of Agriculture, Husbandry, and Rural Affaire," by James Pedder, Editor of the Farmers' Cabinet. We learn that they were forwarded last August, together with a box of the same for a bookseller of this city; but were by some oversight detained on the way. See advertisement.

ENGLISH MARKETS,

By the arrival of the Steam Ship Britania at Boston, we have received the Mark Lane Express and other papers of the 1st of February, from our friends in London, for which they have our thanks We observe no material change in the reports of the Markets. Business generally was said to be dull and unsteady. The best brands of United States floar continued to bring 36s per bbl. At Liverpool the demand for cotton had decreased.

NEW YORK MARKET-FEB. 22.

Provisions-There is no change in Beef. Pork is rather firmer; several hundred libbs Ohio Mess have been sold at \$11,75, and some lots of Ohio prime at \$9,75. New York State Pork is \$10 and \$12 bld Small sales of Northera Land at 7½c; City rendered is held a little higher. Butter, except that of prime quality, is very plenty; and for fair lots in rolls only 8 or 9c can be obtained. Cheese steady

Seens—Clover is at SaSic lb., and rough Flaxsced at \$10, 25 te; 100 tes Timothy sold at \$25, and some afterwards at \$27 tee, though this is more than can be certainly calculated on hereafter

on hereafter.

Asirs—The stock of pois is about 1900 harrels, and of pearls 2550 bris—both sorts sell at \$6 per 190 his, though nothing of importance was done in pots.

Coas Exchavor—The sales of flour have been moderate in extent. Genesee at \$4.15, New Orleans at \$1.75, Ohio, north about, at \$1.85, Georgetown and Howard st. in a very small way at \$9.5 Some shopments were made of various kinds. A mixed parcel of Jersey Corn was sold at 36 cts, and a quantity of rye in the same boat at 36 cts, and a promise of the same boat at 36 cts, and a quantity of rye in the same boat at 36 cts, and a promise of the same boat at 50 cts, and a quantity of rye in the same boat at 36 cts, and a promise of the same boat at 50 cts, and a quantity of rye in the same boat at 50 cts, and a promise of the same boat at 50 cts, and a quantity of the same boat at 50 cts, and a same boat at 50 cts,

cluding 100 left over last week. 130 was from the South from the East, and the balance from this State; 121 milch cows, and 1150 sheep. There was a fair demand for beef, and 510 head were taken

There was a lart memand for need, and 310 head were taken a \$1 to \$10, averaging \$\frac{9}{2}\$ the 100 lbs.

Middl Cows—Former prices were fully unsintained, and (00 we c taken at \$20, \$20, and \$10 cate).

Sheep were in good demand, and all taken at \$3 to \$4\frac{1}{2}\$ for common, and \$3 to \$0\frac{1}{2}\$ for good of the common, and all taken at \$3 to \$4\frac{1}{2}\$ for mostly made at \$2\frac{1}{2}\$ to \$2\frac{1}{2}\$ for mostly made at \$2\frac{1}{2}\$ to \$2\frac{1}{2}\$ for good of the continuously made at \$2\frac{1}{2}\$ to \$0\frac{1}{2}\$ for good of the continuously made at \$2\frac{1}{2}\$ to \$0\frac{1}{2}\$ for good of the continuously made at \$2\frac{1}{2}\$ to \$0\frac{1}{2}\$ to \$0\frac{1}{2}\$ for good of the continuously made at \$2\frac{1}{2}\$ to \$0\frac{1}{2}\$ to \$0\frac{1}{2}\$ for good of the continuously made at \$2\frac{1}{2}\$ to \$0\frac{1}{2}\$ to \$0\frac{1}{2}\$ for good of the continuously made at \$2\frac{1}{2}\$ to \$2\frac{1}{2}\$

PHILADELPHIA MARKET

FIGURADELPHIA MARKET
Flour for shipment to England, about 700 hibs, were obtained at \$4 56; and part of it delivered at this price. By Flour-Flair sales at \$3 per bib. Corn Meal-Sales of Pennsylvania Meal in bibs, at \$12 25 for superior casks; for ordinary hids, the price is 14 50. There has been at steady demand for Clover seed, and upwards of 1200 bushels have been taken at 4 75 to 5 13 per bushels.

ROCHESTER MONEY MARKET.

Specie.			par.	Eastern Funds,		par.
Treasury Note:		r et	prem.	Indiana,	8 a	dis.
Fastera Drafis	1	44	do.	Illinois,	8 a	do.
Penasylvaaia,	6 a	10		United States,	15 a	do
Ohio,	6 a		do.	New Jersey,	par a 5	do.
Michigae,	12 a		dυ.	Canada,	6 a	do
Maryland,	6 a	10	do.	Suspens'n Bridg	e, 3 a	do.

Agents for the Rochester Seed Store.

A FULL assortment of seeds, put up at the Rochester Seed Subscriptions will also be received there for the "New Genesec Farmer and Gardener's Journal." | Brockport, | George Allen. | George Allen. | eneva..... Hemiup Palmyra, Hoyt & May.
Syracuse, T B. Fitch & Co.

Hamilton, J. A. Mott.
Cooperstowa, S. Dou'leday.
BATEHAM & CROSMAN. Rochester Seed Store, March 1.

GRASS SEED WANTED.

A VERY HIGH PRICE will be paid for good clean Timoth; Seel, deliverel soon at the Seed Store.

March 1. BATEHAM & CROSMAN.

CLOVER SEED,

OF EXCELLENT QUALITY for sale at the Se Store.

March 1.

BATERIAM & CROSMAN.

"FHANK,"

"FIFANK,"

"Off Dialogues fetween a Father and Soa, on the surprise of Agriculture, Husbandry and Bural Affair.

This interesting and instructive volume is now for safe! D Hoyt, State st., Rochester. The extracts published in J. New Genesce Farmer during the past year, cannot fail convince the readers of that paper of the value of this booten the convince of the same state.

AGENCY FOR PERIODICALS.

M. A. HERRICK, No. 61, Buffalo st., opposite Eag Hotel, Rochester—Agent for Godey's Lady's Book, Graham's Gentleman's and Lady's Magazine, Littell's Select Reviews, The New Yorker, The New World.

GOLD VINE PEAS.

RAISED in Canada by the original producer of this varie ty, for sale at the Seed Store.

BATEHAM & CROSMAN.

MOUNT HOPE GARDEN & NURSERIES ST. PAUL STREET.

ROCHESTER, NEW YORK.

THE Proprietors of this establishment offer for sale

THE Proprietors of this establishment offer for sale a extensive assortment of Fruit and Ornamental Tree Flowering Shruis, Green House Plants, Bulbous Flowering Shruis, Creen House Plants, Bulbous Flower Boots, Double Dahliss, &c. &c.
Gardens laid ont, and Gardeners farnished on reasonable motice.—Persons requiring information on any subject establishment of the Company of the C

Persons with whom the proprietors are unaequainted, are

requested to give a satisfactory reference, or name some per-son in the city of Rochester, who will guarantee the pay-ment. ELLWANGER & BARRY.

Rachester, Dec. 1, 1840.

TIMOTHY SEED WANTED, At the Roches or Seed Store. BATEHAM & CROSMAN.

ROCHESTER PRICES CURRENT. CORRECTED FOR

THE NEW GENESEE FARMER, MAR. 1, 1841. WHEAT,....per bushel,....\$ 81 a \$ 371 41 22..... 25 BARLEY,..... " 31..... RYE, "BEANS, White, " 50.... BEANS, White, ...
POTATOES, ...
APPLES, Desert, ...
Common, ... 621 19..... 92 31..... 38 25..... 31 Dried, ... " 4.4 75..... CIDER, barrel, 100..... 150 FLOUR, Superfine, " 4,25.... 3,50..... 3,75 SALT. " 2,00..... 8,00..... 9,00 Hog, 100 lbs.... 3,75..... BEEF 4,00 POULTRY,.....per pound, 6..... EGGS, ... per dozen, 16.... BUTTER, Fresh, .. per pound 14..... " Firkin, ... " ... 10..... 16 CHEESE, ... " ... 10...... LARD. ... 6.... 121 8 5..... 75..... 871 PEARL ASHES, .. 100 lbs.. 5,00..... POT, " " ..4 WOOL,pound,.. ...4,50..... 35..... 40 HAY,....ton...7.00..... 8,00 GRASS SEED, ... bushel, ..1,50..... 2.00 CLOVER, "... 6,00...
FLAX,... " "... 75.
PLASTER, (in bbls) per ton,6,00...
" bulk(at Wheatland)3,50...

Outki at Wheatland)0,000...

Remarks—We make but few alterations in our table thi month. Husiness generally is dult—the roads are bad, and very little produce is brought into market. The price of wheat has advanced a trifle, but the quantity brought in a small. The Millers generally are not yet prepared to pursual. The Millers generally are not yet prepared to pursual, and the production of the productio in good demand-supplies moderate

Clover seed has been brought in liberally from Pennsylva-nia and Ohio, and the price has declined a trifle. It will probably advance, as sowing time advances. Timothy seed is scarce, and price high at present.



BATEHAM, CROSMAN,

Proprietors.

ROCHESTER, APRIL, 1841.

JOHN J. THOMAS. M. B. BATEHAM, Editors.

PUBLISHED MONTHLY. TERMS.

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une 1 (stitched) can be furnished to new subscribers ress BATEHAM & CROSMAN, Rochester, N. Y.

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wyer's Berkshires.

ing's Wisconsin Plough (with Cut.) "The Northkinds of Silk Worms 61 Winter, Vegetable Oyster Pudding, A Scene Minor, Cheap and durable Fences, Sliding

Publishers' Notices.

A OFNES AND SUBSCRIBERS - An Explanation .- The numf letters received daily at the Farmer office is very great. etimes from 50 to 100) and the health of the acting pubwill not at present allow him to give close attention to iess; so that letters are not usually read by the publishhemselves unless they contain something of more than mry importance. This will explain many cases of apnt neglect-especially such as omitting to send extra es to agents entitled to them, but who have not asked for It will also explain why letters of acknowledgment not more generally been sent.

e clerks in the office are competent and careful, but they not infallible, nor do they know every thing. Some miss are made, but many complaints arise from the neglie of the persons ordering the papers, in not mentioning t State the Post Office is in. There may be a dozen offices e same name in the United States, and if the letter is not ked, it is no wonder if the papers are sent wrong.

few eases have come to our knowledge where the letters e evidently miscarried or been purloined from the mails the money lost. In such cases we consent to bear the after being satisfied that the money was correctly mailand when informed of the particulars, we forward the ers.

Distressing Times!

-we cannot endure it. What shall we do ; daily receive a greater or less amount of money, on ch we have to sacrifice from 10 to 15 cents on a dollar, in ount, and some bills we have to return to those who send m. We presume our friends send us such money as they pose to be good, and therefore we do not censure them; we wish to call their attention to the table below, and to orm them that if there is discount on the money, we can-

not afford to send the Farmer at the wholesale terms, (allowing a commission) and if the discount is more than ten per cent., we must return the money. (Several of the " Red back" banks in Western New York have stopped payment of late, and their hills are unsaleable at present.) The following are the present rates of the principal kinds of bills.

Suspension Bridge,3 a 5

New England.....par Michigan, 25

The bills of all the Safety Fund Banks are received in de-posite by the Banks of this city; and all the Free Banks are posite by the Banks of this city; and all the Free Banks are also received at the Rochester Cny Bank, except the follow-

t: All the 9 Banks at Buffalo—Bank of Western New York-Anthe a Bains at Danaa — Bard — Staten Island — Far mers', Seneca Co.—Millers', Clyde—Tonawanda—Lodi—Lowville—Olean—Silver Creek—Alleghany—Binghannton— Downlie—Dean—Surer Cree—Arranam — Ingramme—Watertown—Catterangus—St. Lawrence—Exchange Bank of Genesee at Alexander—Farmers' & Mechanics' at Batavia—James Bank—Dansville—Farmers' Bank of Orleans at Gaines—Delaware—Mechanics' & Farmers' at Utica— Washington.

Several of the above Banks are no doubt perfectly solvent and will soon be again current —Rochester Daily Adv.

To Readers and Correspondents.

We are gratified in being able to give the names in full of everal new and valuable writers this month. Other communications are received, some of which will appear next month; out several, without proper signatures, we must define publishing.

THE MONROE COUNTY AGRICULTURAL SOCIETY, it should be remembered, meet on the 5th day of May, to make arrangements for the season.

Hints for the Month.

Clever and grass seed, if not already sown, should now be, as soon as possible, that they may receive the full benefit of a moist soil, and a crumbling surface from freezing and thawing, to assist vegetation. When sown upon wheat, a light harrowing more effectually insures their growth, and benefits rather than injures the wheat. Be sure to put on plenty of seed-a few chillings more per acre in seed will often bring many dollars more per acre in crop. Sinclair gives the case of a farmer who slways stocked beavy with grass seeds, and who always as a consequence secured a heavy coat of herbage the first year, which differed from old pasture only in being more luxuriant.

The farmer should also remember the advantage of a mixture of grass seeds, -different species subsisting upon different parts of the soil-and that a given surface of the seil will therefore support a much greater number of plants of different, than of one and the same

New meadows should be early and carefully picked of all loose or projecting stones, and the surface rolled By clearing off stones and filling covered ditches or huilding walls, the farmer kills at least three birds with one stone, -he enables the mower to cut more closely and thus save a larger crop of hay; he haying from the dulling of scythes; and necellal drains and permanent fences are constructed.

Plaster should be sown ere'y,—as soon as the grass quantity.

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Spring wheat should be sown as early as practicable. If the soil be dry, it is best, like peas, if covered by means of a light plough. Where wheat has been winter-killed, it may be advantageous to sow those vacant spots with spring wheat.

Let all the manure which has been collecting during winter be carted out on the land. Yo leave a large heap unapplied is throwing away money by bandfulsa single load will often produce several bushels increase of crop-an enormous waste results from negleet. But where manure is not now applied, let it be made into compost, by mixing soil, or what is far better, swamp muck and peat, with it. One load of stable manure, and three of peat, mixed together, with a small addition of lime, will make four loads of compost, fully equal in effect, and far superior in applying and mixing with the soil, to four loads of stable manure. "Manure is money" -- let it not be wasted.

Let all spring crops be put in, in the best manner;-"a good beginning makes a good end,"-most commonly. Plough well-let furrow slices be narrow-(except sward-) furrows six inches wide, will show a much handsomer looking field after ploughing, than those a feet wide. Try it. Thorough work is cheap-

Sleds, now out of use, should be well taken care of, put under shelter, and raised from the ground. Sleds, cart wheels, &c. are often more injured by standing on damp earth, by which decay soon commences, than all the use, and (other) abuse, that they receive.

Transplanting trees must be done new, or very soon,or else put off another year. Farmers! have you fruit trees enough ?-recollect they cost but little-and produce much .- Have you ornamental trees enough round your house ?-they are easily planted-cost but a trifle-and make bome delightful-rendering what is invaluable, still more invaluable-now is the time.

To Gardeners.

Our renders will perceive by a notice in another page, that a Horricultural Society is about being organized, and as an exhibition of Fruit, Flowers and Vegetables, will be held some time during the summer or fall, it would be well for guideners and smateurs to make early preparations. Our June No. will contain the constitution of the Society and notice of whatever arrangements may be made with regard to exhibitions.

New Silk Reel -- Corpons.

Mr. Joseph Alleyn of this city, has invented a machine for reeling and enterty, has invented a mawill prove surperfect, but the public will soon have an opportuniprevents the frequent less of hours in the thickes' of tyof judging of its merits. A more particular account of it may be expected next month,

Mr. Hiram Robbins, near Allen's Creek, in the town of Brighton, offers to take a few husbels of coand clover starts a little—a bushel and a half, or there-coons and manufacture them into sewing silk on equal abouts, to the acre, is as well as three times that a shares, (halves.) We have seen sewing silk manufractured by him, and it was of excellent quality.

Fire-Wood.

Every individual in the land, shares the benefits of fuel for domestic purposes; and no subject can be proposed for our examination in which a greater number of our renders are interested.

Although fussil coul may now be obtained both from the cast and from the west-umeard from Albany or downward through the Chemung canal; and though peat, apparently of an excellent quality, has been found in some of the adjoining counties; yet farmers will probably for a long time to come, draw their supplies of fuel from their own woods. We shall therefore confine our remarks for the present to this branch of domestic economy.

The difference in value between some kinds of wood is very great. In this district, sugar maple and upland hickory, are considered the best; and willow, and Lombardy poplar, perhaps the worst.

But why is not a cord of Lombardy poplar equal to a cord of maple ? Chiefly because it does not contain as much earbon. We do not say it would not make as many bushels of charcoal-it would probably yield more. The deficiency is not in the bulk but in the weight. Its texture is more perous-there is really less of it. A cord of maple has been estimated in the Genesce Farmer * to produce 25 bushels of charcoal, while a cord of basswood or white pine rields 32 bushels; but then the former will weigh 25 one a bushel, while the latter only weighs 15 pounds.

The relu tive values of fire-wood, have been stated by the same w riter in a table, which we shall expand and render plain to the comprehension of all of our readers, es it may be useful in assisting purchasers.

Where a cord of hora maple is worth 100 cents, white heech and yellow birch are worth 80 cents-white ash and white out, 75 cents-s'oft maple, white elm, and swamp ash, 65 cents-chestnut and butternut, 52 cents-basswood, whitewood, and white pine, 45 cents.

It should be understood however, that in comparing the different kinds of wood, it ought in all cases to be dry. Some sorts contain much more sap than others; and if we undertake to burn them green, a larger part of the heat will be occupied in carrying off the moisture in some than in others; for all the heat that is required to turn the sap into steam, is lost to us. As an illustration-we should prefer white ash to either sugar maple or white beech, if we must burn them without drying; and the simmering fires of white oak, white elm, and swamp ash, we should rather not ep-

But another view may be taken of the comparative values of fire-wood. It will not be far from the truth if we estimate one cord that is well scasoned, equal to two cords of green. Here then by laying in a stock one year before hand, we gain about one hundred per cent .- a speculation certainly worth the attention of every house keeper.

To leave wood corded up in the woods, however, is a poor plan. A few outside sticks when split fine to let out moisture, may dry enough to be much improved; but the interior of the pile, especially if it be in a shady place, will retain so much of the sap as to become sour-a most unfavorable state for fuel. We prefer green wood fresh from the stump.

But though wood which stands corded in the open ground, receiving the benefit of the sun and wind, may dry enough not to turn sour, it may still be in poor condition to burn at the commencement of winter. Every heavy rain has souked it, often for days together; and its state will be very different from wood that stands free from the ground under a

dry shed. More than 25 per cent, of moisture will be retained, which is a heavy drawback from its value.

The difference in the quantities of heat received from the same kind of wood in different conditions, is so palpable where a stove is used, that a person of good bservation might satisfy himself without a thermometor; and we believe the following SCALE, beginning with that in the worst condition, will be found nearly

- 1. Wet and partly decayed, or water-soaked, 2 Soured by a fermentation of the sap.
- 3. Remaining corded up in shady places.
- 4. Corded up in the open ground.
- 5. Partially decayed in seasoning.
- 6. Sheltered for 9 months or a year by a good roof.
- 7. Seasoned several years in a dry building. 8. Kiln-dried.

Whoever will carefully make experiments on firewood in all these conditions, must become satisfied that great improvements may be introduced into this branch of domestic economy.

For the New Genesee Farmer.

"Bots and Horse Bees."

Messes. Epirons-Some other facts on this subject may be added to those mentioned by "Spectator" in your last paper. It is not easy to decide in what manner the nits, deposited by the bot fly on the hair of the horse, pass into the stomach of that noble animal. The fact is certain. By the shaggy cost of the stomach the nits are detained by some unknown contrivance till they hatch into bots. By the same contrivance probably the bots are detained till they are full grown, deriving their nourishment from the coats of the stomach. In the course of the following winter and spring, many of them are roided by the horse, and may be seen in the manure of the horse stable, balf an inch long, sharper at one end which is their mouth, showing many rings, and giving signs of life on being touched, probably to be changed by the heat of summer into botilies. But many of the bots are often retained for a longer period in the horse's stomach, before they are voided by the animal. It is in this case that the bots are so dangerous, and often destroy the horse, as they pass their tapering mouth or proboscis through the shaggy and into the other coats of the stomach, and even through all the coats. I once saw n the stomach of a fine horse that had died from their netion, multitudes of bots sticking into the coats, and many of them had pierced through that organ, so that on scraping them off with a knife the liquid matter of the stomach passed through its coats. Those bots were large and strong and of a deep flesh color. They might have been detached perhaps by the action of spirits of turpentine, for this substance has great power over all such animals, but the death of the horse must have ensued from the numerous lacerations of the stomach. The only way to prevent the tatal termination, is the application of remedies before the bots have got so deep a hold, and of course before there is any indication, or any alarming symptoms of the disease. In other words, the remedy must be applied while the horse is in good health. This will not commonly or very often be done; and if it should be done, it might not prove effectual. We can know the danger only by the symptoms of the disease, the indications of the danger.

The name given to the bot-fly by naturalists has been Oestrus, from the Greek to excite or to sting. rods. The winter wheat was hadly injured by Hence they called the gad-fly ar good-fly, which lays its eggs in the backs of cattle, Ocstrus boris, or oxfly; the insect that lays its eggs in the nose of sheep, Oestrus oris, or sheep-stinger; the bot-fly, Oestrus equi, or horse stinger. The last, because it inhabits the stomach of the horse, is now called Gasterophilus

equi, the lover of the stomach of the horse. nomy discoverable in the works of nature, h belief that the hot performs some important the stomach of the horse, while its own being oped and it is preparing to become a flyir Probably it is only in a diseased state of the they cease to be useful and become injurio stomaeli. It may be that some disease of first brings on the diseased state of the br very certain that the larvæ of the sheep-si come diseased in the nose of the sheep, and v way upwards towards the brain, and bring ness, and dullness, and loss of appetite, and gers, and finally the death of the sheep. Th nation of the head shows them to be large, et tive maggets.

It is well known that the transformations of ir

different and take place under different circun The silk-worm winds up itself in a cocoon to a chrysalis, and thence a fine moth. The con pletree-worm winds up itself by its web and and thus undergoes like changes; thus also m ers. The worm on the milk-weed attaches its tail to the underside of a rail or limb drops off its head, and becomes a beautiful spangled with spots of gold, from which in a a splendid butterfly comes forth. The large worm on the common cabbage descends to the after its period of cating, drops off its head, continued working forces its way into the earl winter residence, and the next spring works it surface, and comes forth in July or August on moths that trouble our condies in the evening an extent. The earth too, becomes the habit hots, till the natural changes take place, and t flies spring into life to take their common re annoyance to horses and enjoyment to them This annoyance is greatly increased by the fe the fertilization of the nits takes place after their sition on the hair of the horse.

How wonderful are these contrivances and tions for the diffusion of life! What a multil those wonders present themselves to the eye careful and patient observer! C. DEWI

March 1841.

For the New Genesee Fo Rust on Wheat.

(Concluded from page 38.)

There is a great diversity of opinion upon this ject, and it seems almost impossible to recond discordant views of those who have written up In an article, on rust, over the signature of List, copied into the New Genesee Farmer, page 100; from the Farmers' Cabinet, are the ic ing passages:-" It is stated that the fungus is a sitical plantlike the misletoe, but this is not the far the fungus has no power to attach itself, or pent the healthy stalks of the wheat." The foundati cause of the rust of the fungus, is the putrefying ter discharged from the ruptured sop ressels t plant."

Before settling upon any definite conclusion, the state of the stalks at the time the seeds of the gus are deposited, it may be well to notice a few ! relative to this subject. The past season I had an of Italian Spring wheat, containing two acres, v. joined a piece of winter wheat a distance of son rust the whole distance, and at the time of harveit, the spring wheat adjacent, was found to be conrably rusted. Some 10 or 15 days after, the sp wheat was cut, and was affected as follows:swarth, badly rusted, perhaps 7-8ths shrunk; swatth, a little less; and so on to the 8th, when

of the piece was not insted in the least. as nothing in the soil or quality of the land ese Sawarths grew, different from the rest of e. A few rods from the dividing line bee spring and winter wheat, and in the latter, led by wheat badly rusted, was a bunch of containing some 30 or 40 stalks,) straw purght und grain plamp. It auracted my atwhen I discovered a pile of excrement that a dropped by a horse, lying at the roots of the Two similar easis were noticed the year be-

years since my father hanled a number of chip manure on his wheat field, in the full ofng, leaving it in piles of two or three bushels Through negligence it was left without g. This field of wheat, particularly in that ere the chip manure was bauled, was very jured by ru-t except around these piles. Here e was bright and the grain handsome.

now notice the first passage quoted above, the of which is, that the fungus is not a parasitical and the reason assigned for this belief is, that it no power to attach itself to, or penetrate the stalks of the wheat." It is evident in the the spring wheat, that the sporules of the funre blown by the wind, (remember it lay diast of the winter wheat,) and became attached talks (whether healthy or not I cannot say) of ent, and thus produced the effect described. It probable that the wheat must be in a certain s regards its maturity, or rather its approach tomaturity; and it is also probable that much pend on the state of the weather, to cause the ation of the fungus. There could have been erent principle to cause the rust in the eight e, that was not common or co-existent with the the piece. The conclusion is, that the rust or s spread from the winter wheat, and could its ation have taken place sufficiently fast, it would spread throughout the whole piece. But the was advancing toward maturity, and by the he rust had renched the distance it did, the had become more hardened, and the weather unfavorable, its ravages were checked. And can account, in a measure, for the escape of the from the rust, in the case of the excrement by erse, and around the chip manure. The roots of heat were protected from the action of the frost, the nourishment received from the manure, add it sufficiently to escape the rust.

Fore leaving this part of the subject, I will notice nore facts relative to it. Wheat under shade aimost invariably escapes the rust .. In this case round is more compact, and is not acted on by rost so as to injure the wheat; and again, the t, it much shaded, is retarded in its growth, and not be enough advanced to become inoculated the disease. I had a field of wheat the past seawhich on one side, was shaded by a row of trees, tance of 49 rods. At the time of harvesting, this d wheat was in the milk, and although this side re field was much injured by the rust, this strip not at all affected by it. It was left standing, and etime atterwards I examined it; it had ripened from rust. The other fact mentioned, has unntedly been noticed by almost every farmer. The ide land of a field of wheat, which has been sed or trodden down by turning the team while ghing and harrowing, generally escapes the rust. reason is obvious: the wheat is not so much acted n by the frost, consequently ripens sooner.

s it regards the second passage quoted above, to "The foundation or cause of the rust or fungus | while Timothy attains a perfect growth,

peared and the grain was plump. The re- is the patrefying matter discharged from the ruptured sup ressels of the plant," I shall say but little. The peculiar manner in which the spring wheat was affected by the rust, (in the case given above.) conclusively settles the question. Else why was not the whole piece rusted? Or why should it have gradually decreased until it disappeared with the 8th swarth?

"Then, if the disease is contagious, there must be a beginning?" Certainly. But where do the sporules of all lungi originate? "The leaf and stalk of the wheat, then, must be in a certain state or situation to ensure the growth of the fungus !" This is the grand question. Wheat most likely to be affected by the rust, is that which has been injured by the frost, during the winter and spring and kept backed until the weather becomes warm, when it grows too rapidly, becomes rank and succulent; it advances in this state until it has cared out and in the blossom; rendered still more tender and most by the damp, warm weather; t'e pores swelled to excess, occasioned by the luxuriant flow of sap. It is in this situation, when the seeds of the fungus come in contact with it. They find the right place for their propagation-the lungus soon comes to maturity, the sporales fly from stalk to stalk, perhaps carried by the wind some distance; it spreads like wild-fire. J. B. BOWEN. Jurora, 1811.

Making Hay.

The old proverb says, "Make hay when the sun bines;" but there is something else besides similar. necessary to make good hay. The grass must be cut when it is mature, or the animals that have to cat it will have a hard bargain.

Many people, including some good farmers, judge of the quality of common bay by its greenness and brightness. It is a fallacious test. We have been feeding out, for a week or two, (3 mo. 8,) hay that was as bright as any body could desire, well made without rain, and kept in the barn. It was a mixture of red-top and Timothy, cut about mid-summer on account of clearing the enclosure for the cattle; and which, had it been left to stand one month longer. would have made excellent hay. As it was, the cattle are reluctantly, and evidently with some loss of flesh. It is now a pleasure to see with what eagerness they take hold of hay that was cut afterwards.

There is a great difference between the NATURAL and ARTIFICIAL GRASSES. The former, including redtop and Tunothy, yield their natriment principally from the stem; and like the Sugar Cane and other plants of the same NATURAL ORDER, should be suffered to stand till the stems are mature. On the contrary, the leaves of the ARTIFICIAL GRASSES, including the clovers and lucern, are the most valuable parts; and for this reason, these kinds should be cut when the leares are in the most perfect state.

For the New Genesee Former

Agricultural Experiments--their Dependence on Climate and Soil.

Messas. Editors-It strikes me as very importan. that every correspondent who states the result of his rural experiments, should give the name of the State and county in which he lives, in order that the effect of soil and climate may be taken into the account,

A farmer in Pennsylvania, without giving his longitude, comes out dendly hostile to Timothy hay, giving clover the preference. Eastern Pennsylvania is too warm and dry to be a first rate bay country; hence the long top root of clover pentrating into the moist subsoil, is thus enabled to yield well, when Timothy is dried up. Not so in the elevated mountain region of north western Pennsylvania. There clover grows rank, and its stalk is ligneous and almost worthless,

I once, at Germantown, Pa., raw Indian corn sown broadenst for todder. The same is done in the Island of Cuba and other equinoctial countries, too warm and dry for grass.

Of late several clover machines have been ordered from this place to Alabania, where it is said clover thrives well, while Tunothy can hardly be made to

There is very little doubt but that in Madison and the South part of Oneida counties, in this State, a much larger crop of position can be raised for a succession of sensous, than in what is called the Genesce country, from the fact that this region is higher, cooler, and less subject to summer droughts. But on the othor hand we are, with like a tention, much more certain of a crop of corn, and our clover bay is better, troin the very fact that our climate is warmer and doer,

SENECA.

Peck's Pleasant (Apple.)

Some years ago, we received gratts under this name from Rhode I band; and though one branch has borne several crops, we hardly became acquainted with it before this winter, except to observe that it was generally fair and free from that su ut (a Lichen ?) which damages so many soits of apples in our humid sea-

I'mit above the middle size, heavier on one side setting the stem rather obliquely, somewhat flattened, brondest at the base, 3 inches in diameter, 21 deep. -Eye closed in a shallow depression. Stem three quarters of an inch long, inserted in a wide and deep envity. Skin greenish when first gathered, changing as it ripens to a delicate pale yellow, except on the side next the sun, where it is tinged with pale red .-Flesh yellowish white, firm though tender, sub-acid, delicate.

A dessert apple, keeping through the winter. ino, 10. It is now in fine condition.

Its principal delect when it grows on crowded branches in the shade, is a deficiency of flavor; but where it is of good size-has been fully exposed to tho sun, and acquired a fine blush, -it is a very superior

We have seen no notice of this apple except in Prince's Catalogue and in Kenrick's New American Orchardist, where a mengre description occurs. It is given on the authority of Stephen H. Smith of Rhode Island: "One of the most sale the upples in market -skin smooth-yellow in the shade-a blush next the sun-flavor pleasant and good-an excellent dessert finit .- Nov. Feb." We abbreviate the language, not having the book at hand, but endeavor to preserve the substance.

I A few words in regard to describing fruit: In theory, the onlyx (or blossom) is considered the upper end because it is more remote from the root, although it may hang below; and bence the Ege of an apple is described as being in a depression (a sinking in) while the Stem or Stelle is said to be in a cavity, a hollow below.)

Sore Throat in Swine.

Messes. Entrops:-Turn animals so effected, into a pasture where there is fresh feed and ground to root, It is a disease resulting generally from confinement. Pounded Charcast mixed with food, where posture cannot be had, or room for exercise, is one of the best preventives of diseases in swine.

Discovery of the Effect of Plaster on Land. Professor Leibeg, of Gressen, has discovered that snow and rain water always contain ammonia; bence its presence in the atmosphere. Plaster, (sulphate of lime,) forms this ammonia in the soil, and keeps it there to stimulate and fied vegetation, in the same manner as lime prevents the escape of the burnic send and other fertilizing gasses, from animal and vegetable manui 69. SENEOA.

Important Discovery - How to render Wood fungerishable and Incombustible.

Mesons. Entrops:—A discovery of the highest importance appears to have been made in France, by which the long-sought preservation of wood from orderary decay, combustion, &c., is finally achieved.—This has been done by introducing into the wood itself, through the agency of vegetable life, the substances which contribute to these important ends.

It has, indeed, been long known to uniteur Botanists, that the flowers of house plants, A.c., may be colored by the introduction of coloring matter into the organization of the plants; and that the flavors of fruits may sometimes be injured or destroyed by liquids poured upon the ground, at the root of the tree, at the season of their ripening, which are subsequently imbited into the vegetable circulation. But these isolated facts have hitherto remained with their possessors, without any useful suggestions having been drawn from them, like a multitude of other scientified truths, which only require to be applied to the acts, to produce the most important results of usefulness to markind.

The announcement of this discovery comes to us under circumstances which leave hitle doubt of its truth. The discoverer having submitted his results to the Academy of Secuces, of Paris, a commission was named from that highly scientific body, to investigate the subject, and make a report thereon. In the hope of usefulness, I have made a translation of this report, (omitting some portions, as irrelevant to my purposes) for your paper, which I subjoin; deening it highly maperant that experiments should be extensively made the ensuing summer, in conformity with the discoverer's process as shown in the report. It would be no trifling result to secure timber, in all situations from decay, and our buildings from conflagration, at a cost so trilling as to be within the reach of all.

A physician of Bourdeaux, Mons. Boucheric, has arrived at the all-important result of rendering the tissue of wood almost entirely mattackable by those causes of destruction to which it is ordinarily subject; and at the same time his processes render it much more suitable to the various purposes to which it is applicable, in the arts.

A commission of the Academy of Sciences, at Paris, having been named, to examine the subject, Mons. Damas, in the name of the commission, made in D-cember last, the following report as the result of its investigations:

"The Academy has charged Messrs, Arago, de Mirled, Poneclet, Gambey, Admon, Boussmagauth and myselt, with the examination of the Memoir of Mons, Boucherse, relative to the preservation of wood, the following is the result of our labor.

"The Academy has already examined, with the most lively interest, the preparations of the author; and it has before it at this moment, pieces of these so remarkable that the task of its commission is thereby greatly abridged. Mons. Boucherie proposes to render wood much more durable, to preserve its classicity, to prevent the variations in volume which it experiences through the agencies of dry and humid atmospheres, to diminish its combustibleness, to augment its tenacity and its hardness; and, finally, to commission to it various and durable colors and doors.

"To assume that all these exigencies have been satisfied, and that this has been accomplished by methods, cheap, simple and new; and consummated through the agency of substances that are common, and which bear but a low price, is to fix the attention of the Academy, in a few words, upon the important features of the subject we are charged to examine.

"For the purpose of penetrating an entire tree with preservative, coloring, or other matter, the author has recourse to no mechanical, costly or complicated means: he finds all the force of which he has need, in that process, within the tree itself,—the same force by which its own sap is elevated and destributed through its various parts. This, alone, suffices to convey from the base of the true, its the very leaves all the leader.

which he wishes to introduce, provided that these are maintained within certain limits of chymical concentration. If a tree be felled, while in tall sap and leaf, and the bare of the trank be at once plunged in a var or reservoir containing the hapid which it is destrot the tumber chall imbbe, that liquid, in the space of a few days, will ascend to the very leaves, and penetrate every part of the vegetable tissue, except the heart of the tree, which, in some instances of great age and hardness, or imperfect vitality, resists the absorption, and is not penetrated.

sorption, and is not penetrated.

"It is not entirely necessary that the tree shall retain all its branches and leaves during this process, although it is important that those of the extreme top

should remain uninjured.

"It is not important that the tree shall remain standing during the operation, which would not always be convenient: it may be felled, and its butt submerged in the liquid it is destined to absorb, when this will find its way to every part.

"On the other hand, the tree may be treated standing if this be preferred; for a is only necessary that cavities be cut non the bottom, or the trink be partially severed by a saw, and that the parts thus prepared be put in contact with the liquid, to ensure the

desired result.

"This species of penetration, or absorption, which is effected in a few days, without either difficulty or labor, is, as will be readly seen, wholly different from any means hitherto employed. Previous methods are well known to consist of foreing the nigrediente into the pores of the wood, by powerful pressure, or of introducing them by the prolonged and imperfect action of liquids prepared at much cost, in huge vats, in which the timber is kept submerged.

"The new and ingenious process of Mons. Boucheric has placed at the command of industry an immense natural force which enables it, without cost, to conduct into the most delicate vegetable tissues all soluble substances which it may be desirable to depo-

e there.

"If the author has resolved, in a simple and ready manner, the great problem which he at first proposed, he has not manufested less sugacity in his choice of the substances which he has adopted for fulfilling all the

indications announced above.

"To augment the duration and hardness of wood, and to oppose its decay, either dry or humid, the crude pyrolignite of iron is to be introduced into its issue. This substance is wisely chosen, because crude pyroligness acid is produced in all the forests, in the process of manufacturing charcoal; and it is easy to convert this into the pyrolignite of iron, by samply putting it, even when cold, in contact with scraps of old iron; and because, also, that the liquid, thus praced, contains much creasets, which independently of the salt of iron, itself possesses the property of hardening, and of guarding against the attacks of decomposition, as well as the destruction caused by insects, in wood and timber employed in constructions and for other purposses.

"Authentic experiments tried in the cellars of Bourdeaux, upon hoops, prepared by the author, have proved, in the most conclusive minimer, the prolonged duration of wood, after subjection to his process.—The ordinary hoops fell to powder, upon the lenst application of force to them, while those of the same age, which had been subjected to his preparation, were as solid as upon the first day they were placed

"If he wishes to preserve the elasticity of wood, and to render it less combustible, the author has found in the employment of chlorine with an earthy base, the means of accomplishing these ends. occupied with the thought that his discoveries, to be most serviceable, must receive universal practical application, the author has not contented himself with the employment of the chlorate of calcium, notwithstanding its great cheapness, but he has analyzed the sen water from the pits of the salt works, which is without value, and by so doing has obtained therefrom all the qualities necessary to his purpose, The different woods prepared by his saline solutions preserve their flexibility, even after several years exposure to the air; and thin sheets of this wood were twisted into spirals, first in one direction and then in the contrary one, without their suffering the slightest fracture or injury of any kind. Exposed to the air these thin pieces were neither split or otherwise injured however dry they became: and, finally, they were so far incombustible as to be incapable of sustaining or propagating conflagration.

which its own sap is elevated and distributed through its various parts. This, alone, suffices to convey from pure by the base of the true kto the very kaves, all the longide japprecise, and turne profit, that the very kaves, all the longide japprecise, and turne profit, that which has joined without impost.

others, less important, certainly, but still new not without interest, in the arts. He colors wo, clouds so varied and casula as to promise much a t by the employment of his method in ornamenti has certainly woods, so as to fit them for the fation of furniture, and for other purposes of ornam

"The specimens of this kind, now before the A my, reheve us from all details upon this head; therefore suffices for us to say:

"That the pyrolignite of iron, alone, gives:

"That by causing tannin to be absorbed by the after the pyrolignite of iron, the mass of the trendered black, while some portions exhibit to blue, black and gray;

"That by introducing, first, the pyrolignite of and afterwards the prussiate of Potussa, a fine Prublue is produced;

"That by introducing, successively, the acetlend and the chromate of potassa, a lemon, or chro

of lead color is produced:

"That by introducing into the same trank, the rolignite of iron, prussinte, and acctate of lead, chromate of potesta, the whole wood assumes a of clouds of blue, green, yellow and brown, we collectively produce the most varied and pleasin

"The colors and shades may be varied almost a thinty, according to taste or fancy; as chymist sufficiently rich, in agents of this nature, to satisfy wants, and even the caprices, of the most fastidia."

"We have said nothing here, of the communication of odors to woods, by impregnations of this kind, cause this is an application easily comprehended wout explanation; and also because it is too stribinited to the demands of luxury to be placed in same scale of importance with the valuable real which we have above cumerated.

"It is evident, from the bare announcement of these results, that they have not been, and never so be, the result of accidental discovery. The author reduced them from simple ideas; and they are fruit of long continued and laborious studies and

periments."

The commission closed their lahors with a recommendation that a copy of their report be transmitted the ministers of agriculture and commerce, of the pulse works and the marine, of finances and of war, while recommendation was adopted by the Academy.

recommendation was adopted by the Academy.

At a subsequent sitting of the Academy, that be received nource from the ministers of war and off nance, that they had recommended the method of D Boucheric to the special attention of the commissione of engineers, the artillery, and the woods and forse This shows the importance that is attached to the drovery, by public functionaries, and by the first scientific men of this, or any age, residing upon the spectrum of the spectrum

Buffalo, March 22, 1811.

Joint Interest of the North and South in the inter-State Trade.

All classes at the North taxed for Revenue—not so a the South. Tolucco Planters beginning to under stand their interests. The end of State Stocks as remittance to pay foreign debts.

Messas. Editors.—The Cotton Planters of the South export more, and consume less, of their own productions, than the farmers and manufacturers of the North. Hence our maratime commerce receivs its greatest stimulus from the South. Northern ships carry both ways all that is raised of agricultural stiples, and all that is consumed of manufactures at the South; and as Pennsylvania, New York, and New England, are more legitimately the workshops for the South, than all the rest of the world, we can easily see of how great importance the South is to the North, and view versa.

But the South very much overrates her importance to the Union, when she asserts that hecause she poyst large portion of our foreign debt with her cotton, she ought on that account to receive her wines and silks without impost,

on foreign importations, to support the Federal mient. But if it was double meamount it now would ask what proportion of this revenue be paid by the cotton planter? Does his bareack laborer, who receives his yearly suit of tag lock cloth, and cats his peck of corn a onsume any article that pays a duty to govern-I believe there is a single manufacturing a New England, which, if silks were taxed, pay more of the duty on that article, than half on planters in South Carolina. At the South, only consume those articles which pay an imty. At the North, and in all the free States, ole mass of the people, the poor as well as the entribute in this way to the support of govern-But in the cotton growing States, the great

g mass of the population, are of no more politi-

ocial account, save in the representation they

their masters, than the horses and cattle of the

have shown, in a former article, that all the shipped from the United States to France in a rear, did not pay for the silks imported from the same year. Is it not therefore a wise polinecurage the culture and manufacture of silks own country, by a moderate impost on the imarticle. Would not the South be much more ply employed, if, instead of all cotton, she turnattention, in part, to silk culture? Her planwould not then be so continually desolated by hausting erop; her banks would not then be ; her planters bankrupt by the low price of cotne result of over production and consequent I markets.

tobacco planters, heretofore so obtuse in relathe laws of trade, now, quickened by a sudden t into the full extent, at least of their own suf interests, begin to ask for protection in the of countervailing duties. When our farmers in of the British Corn Laws, they are answerthe fact, that there is generally as much corn alse raised in the United Kingdom as will sufs consumption, and that if foreign corn was ndfree, it would only lower the price there, to the ating of the manufacturing interest into our successful competitor.

as tobacco is not indigenous either in England ince, the enormous duty levied on it there sey lessens its consumption, while it reduces the to the American tobacco grower, without offerly boon to European Agriculture. ever there was a time when countervailing du-

ight be tolerated, and home productions encouras indispensible to this nation's social health, that as now arrived. For years back we have paid r surplus imports in United States Bank shares, stocks, &c. &c. But in the utter failure of all devices, all balances must now be paid in coin. dollar of which we are told will give to the comty three dollars of sound paper currency, which can keep up the prices of the real estate of the try in like ratio. S. W.

Transplanting Trees.

though we gave some directions last season, in d to transplanting trees,-yet we feel warranted lling the subject up again on account of its great rtance, and because it is so little understood by v persons who ought to cultivate trees.

hen they are taken up in the nursery, care gh is not commonly taken to guard the roots ast drying or freezing. Oftentimes they are carmany miles in an open wagon through warm sune, without as much as a blanket to protect them,

ascertained that there is not a sufficient impost | brows roots are not all destroyed by such treatment, at | manner, either by the wind or by the piges. If the least the spongiales (tumid ends of the fibres) must stake is to be upright, it should be set close to the be all withcred; but frost when it reaches them in this stem; and as it might injure the roots if driven in uncovered state, is not less injurious if they are allowed to thow in the open zir. Bury them therefore without delay, and keep them so till the frost is all extracted. Even peach trees, which are more tender than pears and apples, have survived when planted in bruising the roots. Straw bands are the best for fasa frozen state. In short, guard them at the time of transplanting from both cold and dryness; and reflect how much a fresh wound through our own skin would euffer from exposure.

It is not uncommon for a farmer to determine on planting an orchard, without stopping to consider whether his ground is in a suitable condition, or not. Perhaps it is covered with grass-a meadow or a pasture. Holes are then dug just large enough to admit the roots of the trees; and if a prong should project too far, and be too stiff to bend in, a side cut is made for its special accommodation. When the roots are covered, the job is finished for that season. A friend of ours, three years ago, procured pear trees from our nursery; planted them in the manner we have described; and the season proving favorable, all of them lived, which however, he had no right to expect: and they centimied to live as he informed us to-day, but with no more growth perhaps than just to keep them alive. Now what has been the result of this course? All the time since they were planted has been lost in regard to them-the period for gathering their fruit has been deferred; and the money so invested has produced no interest.

Ground to be appropriated for an orchard or fruit garden, should be ploughed deep, and rendered perfeetly mellow before the trees are planted out. No better crop can be selected for this purpose, than potatoes. To those who intend to have things done in the best manner, we would recommend holes of aix feet in diameter, and eighteen inches deep; but those who feel as if they could not work in that style, may dig holes four feet in diameter; and then the following directions may be useful:-

Lay the rich soil at the side of the hole; but the yellow or sterile subsoil throw back, so as to have it out of the way, and not in danger of mixing with the better materials. Chip-dirt, or something similar, should be mixed with the earth in filling the holeperhaps one-fourth, beginning from the bottom. All trees that we have tried, seem to luxuriate in such a soil. Set them nearly at the same depth as they stood originally in the nursery; but then the earth should be raised about six inches above the level of the ground round the hole, to allow for settling-otherwise the tree in a year or two may stand in a depres-

It is important to have fine earth to throw amongst the roots, leaving no hollow, but every fibre coming in contact with the soil; and it is a good practice when filling in, to shake the stem from time to time, an inch or so up and down, to let the earth settle in between them. When it is all filled in, press the earth down firmly with the foot.

There is another way of planting trees that may do however, when a man has no spade, or is unwilling to use one; and that is, to plough trenches where the rows are to stand. Broad hoes or shovels well worked would soon make the necessary exervation; and the rich mould may be removed into it by the scraper, at the same time taking care not to mix with it the sterile subsoil.

Well, what next? Why, have every tree fastened to a stake, so that the wind shall not shake it and loosen its roots; or by pressing the stem against the earth near the surface, make a hole down which the air can reach them and dry them. It is stildom, if ever, that perhaps kept a day or two in this state. If the fi-

amongst them, we prefer driving it before the tree is set, which can then be placed near the stake without danger. Sometimes however, we drive the stokes stanting into one side of the hole, and thus avoid tening, because if we wrap the band once round the stake before the tree is connected with it, it prevents them from elicting.

When the trees are planted, they are not to be forgotten. Neither herses, nor cows, nor sheep, must approach them. If hogs are permitted to range there, first and foremost, tie branches of the sweet brier round every tree as a sign for these animals to keep their distance. Hogs will take hints of this kind, and faithfully observe them.

Not done yet? No-we have some more advice to offer of great importance. Strawy manure from the stable or burn yard, may be very usefully employed round the trees to stimulate their growth, to keep the ground cool by shading it from the sun, and to keep it moist by retaining the light showers that fall through the growing season. But this is not all. As often as once a month, the litter should be raked off, and the ground round each tree well heed to the distance of two or three feet, and to the depth of three or four mches. See that the workmen do it faithfully, for some may think an inch is deep enough; and then replace the manure.

A tree planted and treated in the manner recommended is almost sure to grow, if the soil is not worked when it is too wet; and will grow many times faster than one that is neglected. Besides it will come much sooner into bearing, and always bear larger and better fruit.

Agriculture in Nova Scotia.

Through the politoness of the Secretary, Dr. C. C. Hamilton, we have received a paper containing some transactions of the Cornwallis Agricultural Society. We extract the following remarks from the report of a committee on the condition of agriculture, and the best means for its improvement in Nova Scotia:-

"Your committee do not hesitate to say, that one grand cause, why our agriculture does not occupy that exalted position among us, to which it is entitled, is, the want of intelligence in the farming population. This can only be remedied by the acquisition of

ngricultural knowledge, and its application to practical purposes; and your committee would earnestly recommend the members of our society, and others, to peruse the periodicals and standard works devoted to their calling, which can be so cheaply obtained, and which so much abound in interesting and instructive matter to the Farmer.

In proof of our deficiency in this respect, it may be mentioned, that although there are about 450 farms, only 12 agricultural newspapers are taken, throughout this Township. The great advantages of intellectual cultivation cannot be too highly prized, and can only be appreciated by those who enjoy them. Of all other arts and sciences, a thorough knowledge of their principles, is considered indispensable to success; surely the farmer will not remain inert, and indifferent, with ample means of information within his reach, and with prespects of a speedy, and adequate reward to animate his exertions.

Your committee in directing their attention to those urces, from which our Agriculture may be revived and improved, cannot but deeply lament the withholding of Legislative assistance.

In England, Scotland, France, and the United States, &c., large sums are annually given for the enconragement of agriculture, and in proportion to the expenditure, has been its rapid advance, in all those countries. Any one conversant with the state of their agriculture, can readily draw the painful contrast.— Your committee having observed the spirit heretofore manifested by the House of Assen bly, cannot forbear from urging on our members, the necessity of renewed

Pictitious f'ignatures.

If it were the custom in any deliberative assembly—whether at Washington or at Albany—for the orators to conceal their persons and disguise their vocceby specking through trumpets,—would their speeches interest the nuderice as inneh as they do not present?

When a person walks in, or sits down in a legislative gallery, is he satisfied to close his eyes and laten to strange voices? Would not the same sentiments and the same a guments be more interesting it he knew from whose mouth they proceeded? Is at not a landable enriesity that prompts him when a speaker takes the floor, to ask who he is, and to whom he belones?

Now as we presume our readers will be willing to concelle the right answers to these questions, we will take the liberty to ask another. Would not the anonymons arricles which are found in our columns, be more interesting it we knew who wrote them ! We are free to admit the title of some writers to concentment, such as our [Fan] correspondents "Annette" and "Fanny;" but to "C. D"-"S. W "-"P"-"B," and many others, whose names if written out would shed a hido round our pages, -- we teel unwilling to make this concession. We do not maist, indeed-being gratified to hear from them under any signature-but we hope they will consider how much our interests, and the interests of the community. would be promoted by such disclosures; and how much more engerly the render would take up our paper to learn something of his old highes and acquaintances.

For the New Genesee Farmer. Importance of Wheat Culture.

Messrs. Enforce-To improve the time interest of the fermer, of my section of country, you must most surely instruct him in the management of his lands for the production of the staple ground the country. or to the growth of that crop for which his lands are best adapted, and which will yield him the greatest profit. It is well known that our principal profit is produced from our wheat erop. It is the adaptation of our soil to the production of this finest of grain. that will ever render our lands valuable above any others adapted only to the production of the coarser grains. And accordingly wisdom would dietate that our improvements in agriculture should tend mainly to the increased growth of this crop. It is true that exclusive wheat cropping may not be advisable: but in the management of our farms we ought to adopt a system of rotation not calculated to interfere with the growth of wheat; but rather to fit and prepare our lands for the reception of that crop. Since the settlement of this country perhaps too much attention has been turned to raising wheat, or we may have practised a bad system, and thereby drained and exhausted our lands in many cases; but having discovered this error, we must not henceforth quit our old crop and bestow our attention on other branches of farming to the neglect of this. And now, Messis, Editors, what I would complain of in your paper, is the little attention paid by your agricultural writers to wheat growing, and the much to other things of munor importance. Perhaps it is taken for granted by all, that no information can be imparted to our farmers on this subject. The old motto that "practice makes perfect," I think will hardly apply in this case; for surely I believe that there are no greater errors committed among us, than in wheat culture; and there is no branch of eropping in which tarmers more disagree than in this. For example, some think the best time for seeding is the last of August and the first of September; others think the middle or last of Sup-

barrow in: some think one bushel per acre sufficient, others two and others three. And also in regard to fullowing, there is much diversity of opinion. Now these and many other points which might be mention ed, are subjects worthy the attention of some of your unelligent, practical, agricultural writers, and subjects which might be profitably discussed. If some of your able correspondents will give us a chapter monthly on the subject of wheat culture, grounded on expe mence and observation, there will be more good result ing to the farming interest of Western New York. than all the articles on ruta baga and mangel wurtzel that have ever appeared in all the agricultural papers in the Union. Not but that the root culture has its share of interest and credit, but in this section it is of minor importance; and surely the New Genesee Farmer ought to be adapted to its location

Yours respectfully, R

We fully agree with the preceding remarks on the innoitance of the wheat culture, and we cannestly will upon our correspondents to turnish whatever may be valuable upon the subject. We think however, that the entire of root crops is quite underrated, as it is on these that the farmer must greatly depend for the successful and prolitable feeding of cattle, and consequent manufacture of manure, that prime mover in good farming, not by any means excepting the culture of wheat itself.

A premium would have been offered last year, by the Genesce Agricultural Society, for the best when crop, had it not been too late when the last of premums was published.

Best Time for cutting Timber.

We suppose another age must passaway before the notion of linear influence on timber will be entirely exploded. When the yielding mind of childhood receives a wrong impression from a patient or preceptor, and it is allowed to harden for years before Philosophy attempts to efface it, argument too often glances off like water from a goose's back.

On what does this notion rest? Why the moon rises indes on the occan. Admitted; but on what elected is its influence fe't! If it has not room riongh to inner tules on our lakes, can it possibly raise tules of sap in the porce of a tree, where a microscope is necessary to discover them?

But if it did raise the sap, what advantage could we derive from that knowledge? It would raise tides every day; and no one particular time would be better than another.

It has been handed down to us as a rule worthy of remembrance, that "the old of the moon to February as the best time to cut finher." But why is the add of the moon better than the new? This question might puzzle a Philadelphia lawyer. The "old of the moon" may come on the first day of the month; or it may come on the last—it may differ a whole month. The sap may be frozen, and the moon notable to stir a particle. Or can it act on solids as well as fluids? If it can act on frozen timber, why not on seasoned timber, or solid rock? We cannot understand such occult principles.

We admit indeed that the time prescribed may serve well for cutting *some* kinds of timber; but certainly it is not the *bist* time to cut *all* kinds of timber.

all, that no information can be imparted to our farmers on this subject. The old motto that "practice makes perfect," I think will hardly apply in this ease; for surely I believe that there are no greater errors committed among us, than in wheat culture; and there is no branch of eropping in which interior more disagree than in this. For example, some think the best time for seeding is the last of August and the first of Septimber; others think the middle or last of Septimber; others think the middle or last of Septimber; others think the middle or last of seed, others

the gindation from the best time to the worst is in following order: Summer—Autunn—Winter, timber should be cut in the Spring before the tree;

Physiologists when trenting of the function plants, have been too fond of drawing general relike other people, from a few observations. Been the sap of some trees, flows not in winter, they it erroneously concluded it was so with all. The sinche sugar imple however, flows as soon as the led drop in autumn; therefore to have that timber during a should be cut when the tree is in leaf; and as we leaf is employed in pumping out the moisture, it in be well to let the tree lie untrummed till they are weed.

A timber tree may be very valuable or otherw necording to the time of cutting it; and in this conwhere they are growing searcer every year, it is t especially important to have the best information the subsect.

Discovery in Sugar Making.

The following communication came too late for snooth, but we now meert it, with the hope that publy it may not be too late for trial this season, know nothing of the value of the proposed improment.

For the New Genesce Farm

Missis. Entrois:—As the time for making Mestigar is at hand, I take the liberty of ending foscition, a very simple plan for clarifying it and mala much purer and whiter article than can be donary other means. For some time the process we servet, at having been accidentally discovered by imer whose sugar in consequence always command higher price and more ready sale than that chereful have always and more ready sale than that chereful have a sugar in consequence always command higher price and more ready sale than that chereful have been declared to the second more method he used be known.

The story is this:—Having once borrowed a a kettle from a neighbor, on attempting to use is found it leaked from some cracks. Hoping to rei if the evil be threw in some Indian meal to fill use cracks and enable him to use it. It did so; and the astonishment on "sugaring off," he found a state of the trick of the was in the practice of many As the corn meal was the only thing he could attrict to, he continued the use of it, and soon ascert edithat it was a very great improvement on the consented of sugar making.

The receipt is as follows:—To the sap require of 40 or 50 lbs. of sugar, add about a pint of corn 1 at to be put in while cold and boiled together.

The above I received cosually from a farmer ho has used the process, and a neighbor of him who is covered at. It is so very simple, and I am induc to believe so very efficacious, that I send it for inse an your valuable paper, with the hope that it approve of use to some of your readers. Should an you, I hope they will let it be known in some first number, how it succeeded.

VERNE

Cazenoria, Teb. 25th, 1841

For the New Genesee Farn

Messes. Entrops.—The prevalence, tenseity, adprolific discrimination of the grass well known any as by the name of Blue Grass, (Pou compress), the incressed expenses of cultivation, and greatlanimished returns of product which result from as presence in our grain fields and cultivated mender, at once demand, and will repay, the strictest inquests to the most successful means for its prevention cradication. This grass seems to be the natural or spontants

growth of rich, moist land in this country, an its seeds appear to be thence disseminated by domic animals, upon the upland pasture, where the of

to illage divide and spread its roots and seeds, buy filling up the soil to such a degree, that oryind otherwise sufficient entiration, produces one or turn of grain; and land seeded for measure it exists in the soil, produces one or two rand inferior crops of hay, and is then run out. I most common mode of disseminating this by sowing clover seed chaff mixed with its awing been mowed from land where it exists; his manner whole fields, previously exempt, the at once filled up with Bus Grass. An appreventive in this case, will be to use the closurd sow the clean seed—although an opinion prevalent that the seed in the chaff is more vegetate and survive than if sown clean.

e pernicious, but somewhat similar variety of found on some farms in this section, called Frass or wild rye, (Triticum repens.) They nuch alike in their general character, modes igation, and injurious effects; and both ree most thorough and persevering care in cultio destroy them. The extreme severity of our frosts; and also the usually continued drouth t of our long summers, afford us facilities for pose which are not possessed by the agricultu-Great Britain. Numerous experiments cone opinion that the vegetative powers of this re very much weakened by exposing the root action of severe frosts. Accordingly shallow ing, (as the roots do not run deep,) applied the the fall the better, by exposing the tender o the frost-the tillage to be continued by ing or barrowing as soon as the land is fit in the has been found very effectual. After this prois advisable to plant the ground with corn, and te it thoroughly, or to summer follow for

ne instance a very heavy cost of Blue Grass ig on wheat stubble, (the wheat crop was a tolure,) was ploughed in the fall, and though d in the spring, was wholly unfit for oets or corn. sowed with backwheat at the usual time, , producing a heavy growth, completely desthe Blue Grass. The next sesson however, was much very minute Blue Grass in the supposed to have sprung from the seed; which ests the necessity that the cultivation, or the denf the succeeding foliage, should be such as to prethis result. Instances of success are stated from loughing and rolling, performed just before plantvith corn. Of this the writer cannot speak from essful experience. The usual process of summer w, by two or three ploughings, commencing in or June, although it may produce pretty good s of wheat, has little effect in permanently desing this grass, or fitting the land containing it for itable meadow. In managing a fallow much adtage is lost, by failing to apply the barrow, during ing and harvest. The effects which a harrow apd, once over, every ten days, in dry, hot weather. upon all noxious grass within its action, is truly orising. In cases where small patches of the variaere termed Quick Grass exists, much caution is essary to prevent its spread by the plough and har-; and when the soil is properly loosened, a man a many pronged fork and basket, will find profitemplyment in gethering the roots and carrying m off the land.

desers Editors—I consider this an important sub-, and have given it considerable attention for some us past; and as I have not seen much in your paper pecting it, an led to hope that the foregoing sugtions may be useful to some of your readers.

Caladonia.

I am cordially yours, &c.

JOHN McVEAN.

Couch Grass.

The following is from a correspondent of the Yan-kee Farmer.

Sin-In the fall of 1839, it was recommended in your paper to kill Conch Grass by ploughing the ground late in the season, and expose the roots to the ction of the frosts, by which then vitality would be destroyed. This advice was again repeated in your editorial remarks in the fall of 1840. But my experience shows me, that late ploughing will not kill Couch, or Twitch Gross, as it is sometimes called.— Soon after that notice was published I turned over by ploughing, just before winter set in, a piece of ground which was very much infested by this grass. It was green sward in the spring of that year, and was ploughed and planted with Indian corn; and at weeding time, this grass so completely took possession of the ground, that the rows of corn could hardly be seen, and my neighbors inquired what kind of grain was sown there. Intending this land for turnips the next senson, I turned this over by the plough, as before stated; and what was the result? Not a root of the grass was killed, and it sppeared in full vigor in 1810, end the field looked as green as if covered with a crop What was then to be done? of rve. a troublesome tenant with my turnips, and having the advantage of prior possession, and firmer hold of the soil, would contend strongly, and perhaps successfully against the young turnip plants, and make the chane for a small crop, or a good crop, to say the least, rather doubtful? I then determined to extripate it, root and branch, which was accomplished in the following manner:-The ground was ploughed and harrowed, and then my men followed with their rakes, and raked out the roots of the grass into heaps which were afterwards carted into the hog-yard; and this was done three times before sowing my turnips; and this so completely destroyed it, that scarcely a root appeared in the subsequent cultivation.

An old Colony Farmer. Plymouth Co. January, 1840.

y, 1540.

For the New Genesee Farmer.

Education of Farmers' Children -- No. 3.

MESSRS. EDITORS-I have spoken of the useful part of education, as it either directly or indirectly influences the mind. I have taken a rather extended education for the general standard, because we are so liable to fall below than exceed the standard, whatever it mey be. I wish now to consider the real object of education, the developing, exercising, training the powers of the mind. It is not so much the mere knowledge itself, valuable as that is in various respects, as it is the fitting of the mind for the business and duties of life. Of arithmetic, only a few rules find application in the business of the farmer and of most men; but who would desire his son to study only these rules while the others have a far greater educating power upon the mind. Indeed, if we contemplate only these subjects which will have a direct application and be directly practicable upon the farm, they will be found very few, and the influence of education exceedingly trifling, as the time taken to obtain it must be very short. Indeed, of what benefit will be much acquaintance with the art of reading, if only utility is to be studied in all our reading; if only there must be a direct employment of the knowledge on the farm. By auch an education the mind must be left almost untouched. It will be rude and unpolished in its thoughts, low and common in its language; it will be left under the control of the animal nature chiefly; it will have only course views and notions of morality and religion, and of responsibility and obligation, it will be more subject to the power of temptation, and more cosily seduced into the ways and works of folly and wickedness; or, it must be preserved from vice and crime by the fear of punishment and the etrong arm of power, and not by those ennobling moral principles which are suited to our nature and circumstan-

The young farmer needs this cultivation of mind, this training of the intellect which education gives to prepare bim for reading, and all the benefits of that knowledge which now fills the world. A taste for reading is as much made and acquired as a taste for any thing. The untutored mind can have no relish for it, unless it is for the marvellous; the euriosity must be exerted, or no motive will be presented to the mind lattle trained by enture.

The young farmer needs this cultivation too, that he may have an inducement to employ his mind daily, or often, upon books. The great improvement of mind is made by reading regularly for a short period every day. The instances of this, though far too rare, are abundant to show the great consequence. "Great effects from little causes," is the rule of Providence, and ought to be the motto for action. The diligent hand maketh rich, in whatsoever it undertakes.

The young farmer needs this cultivation also, that he may have some just estimate of himself and have more influence in the world. There must be superior wisdom in him that guides others. Trick and planning and wiles mey succeed perhaps for a time; but all such arts must fail in the end because the ignorance will be disclosed, or the superior wisdom of others will be discerned. Even good common sense, that best of all humon endowments of the intellect, must have knowledge and principles to exercise its power. Tact esnate operate without some materials to act upon and to work with.

The young farmer needs this cultivation also, that he may have some adequate notions of the necesity and advantage of education and moral principles in a free community, and may labor for the wider and more general extension of knowledge and virtue. Standing as the very bone and sirew of society, he must have the strength and rower which will sustain the interests of society. For this end, education in its general meaning, the training of the mind and heart, is the grand means.

I have spoken of the wants of the young farmer in these several respects, for their bearing upon the main object of those papers, that the interests of the farmer suffer from the too limited education of his sons compared with that of his daughters. I have already said that I would not diminish the one, but increase the other. These views are not new indeed to many intelligent farmers, but they need to be diffused over the community. They cannot be fully appreciated without ensuring correspondent action.

I was about to enjoin some views upon the ornamenul, as connected with the education of our children, but must defer them to another time. D. C. March, 1841.

Sugar Beets.

Messes. Entrons—Agricultural chemistry may indeed cavil at the supposed value of Sugar Beets as food for animals; but the results which nature gives, clearly prove that there are some wonder working secrets in vegetable physiology, which science has not yet discovered.

A neighbor of mine, who is a first rate gardener, told me that he had raised 60 bushels of Sugar Beets last year on en incredible small space of ground in his garden. I asked him which was the most profitable, orn or engar beets. He replied, both. I then named potatoes, when he burst out into a horse laugh, and said that he could raise ten bushels of beets easier than one of potatoes, and that his cow gave more milk when fed on beets. Added to this, he said that potatoes wanted digging, and that, too, by dnylight, in short and often wet days; but that any quantity of sugar beets could be plucked and housed in a single clear evening, and that the trouble of securing the two crops was also ten to one in favor of beets.

SENECA.

Senesa co., March 14, 1841.

1 Hz

Gardening for April.

The weather during the past month has been so wintery that but little could be done in the garden except with hot beds. No time should be lost this month, when the weather will allow, in commencing the oper tions of spring. Manure can best be carried on when the ground is frezen. Prune or trim fruit trees and bushes; repair espaliers, and procure new stakes for raspberry bushes, &c. Dress asparagus and rhubarb beds, and earry off, or ourn all litter and rubbish. As soon as the ground is in good order, select and prepare the best apartments for early planting, and begin to plant or sow the more hardy vegetables.

Onion sets should be planted, and Peas, Lettuce, Spinage, Parsnip and Salsify seeds sown as soon as possible. Towards the latter part of the month, (earlier in Ohio and other States south of this) sow seeds of Carrot, Beet, Onion, and plant English Beans and early Potatoes; and, if not sown in a hot-bed, sow Cabbage, Cauliflower, Broccoli Tomato Pepper, Celery, &c. on a warm border where they can be covered with mats in time of frosts.

In Ohio, and wherever danger from frost is not apprehended, most kinds of garden seeds are sown early this month; but in this state, severe frosts sometimes occur as late as the 1st week in May, and tender plants must not be exposed till after that time. It will then be time to sow Cucumber, Melon, Squash, Pumpkin, Beans, Corn, Radish, Turnip, &c.; also, most kinds of herb and flower seeds. For remarks on sowing flower seeds, see Vol. 1, P. 56.

_ Ill health of Mr. Batcham must be an apology for the brevity of the remarks under this head.

Flowers in England.

From the Gardener's Chronicle of "Feb. 6, 1811," published in London, and edited (in part) by Professor Lindley, we make the following extracts:-

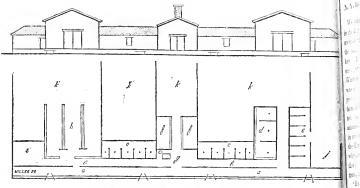
"Pentlandia miniata, a pretty balbous plant from Cusco in Peru, allied to Pancratium and Narcissus, produces its clear scarlet flowers readily, and grows

very freely."
"Geranium rubifolium. The erect habit of this plant, and its large flowers distinguish it from G. nepa-It is a neat hardy perennial, scarcely exceeding a foot in height. It should be planted in light soil, or on rock work, as it is destroyed by the wet in win-It flowers in July and August; and may be increased by dividing the roots when in a dormant state, or by seeds, which are produced freely, but the seedling will not flower before the second season. It was raised in the garden of the Herticultural Society, from Himalayan seeds presented by Dr. Royle in May 1839."

Duhlias. A correspondent of the Florticultural Mugazine, gives a long list of Prize Dahlins, from which we extract the following names of varieties, which according to this writer have gained more than fifty prizes at the shows for 1810.

Amato (Mountjoy's,) 79. Argo (Widnall's,) 51. Beauty of the plain (Sparry's,) 89. Climax (Jeifery's,) 89. Conductor (Widnell's,) 62. Defiance (Cox's,) 67. Duchess of Richmond, (Fowler's,) 63. Essex Rival (Sorrell's,) 109. Eva (Foster's,) 73. Grace Darling (Dod's,) 115. Hope (Neville's,) 105. ewisham Rival (Mend's,) 98. Marquis of Lothian (Goodhall's,) 123. Mary (Dod's,) 92. Miss Johnstone (Willison's,) 87. Ne Plus Ultra (Widnall's,) 92. Rienzi (Widnall's,) 100. Rival Sussex (Stanford's,) 109. Springfield Rival (Inwood's,) 122. Suffolk Hero (Girling's) IIS. Topaz (Girling's,) 77. Unique (Ansell's,) 164.

Virgin Queen (Protheroe's,) 87." "Rhododendron maximum grows much better in shade than in sunny situations; the foliage is often four times the usual size, and of a much finer green.



WM. R. SHITH'S FARMERY.

EXPLANATIONS.

a, Root cellar filled from the windows, 10 feet wide including walls. b, alley, boarded on the stable side to the top of the mangers, four feet wide. c, stalls for the cows, &c., seven feet wide. d, ox stables, 8 fe e, stalls for the horses, 5 feet wide. f, apartments for the swill boys. g, room for boiling, slicin, roots, &c. i, calf shed. j, wagon shet h, sheep troughs, with racks communicating with the loft above. k, barn yards. Note - The upper part of the above cut is a front view, and the lower part a ground plan.

For the New Genesee Farmer.

MESSES. EDITORS-It is very probable that the sketch of the barn above may strike many persons as be ing altogether too large and expensive for general use. This is doubtless true to a certain extent. Indeed my only hope is that some persons may profit by some things described, as I have no expectation but that glaring faults will be found in the plan. The inconvenience resulting from want of arrangement in our farm establishments is also great.

On many farms, having nearly or quite as many buildings as those described, the barns, &c. are so placed as to require much additional labor in passing from one to the other, and in the feeding of the animals.

Manures .- The man who at the present day neglects this important branch of labor, ought to be looked upon as laying the foundation for future poverty. Yet, I venture to say, that not one person in fifty who builds a barn, takes this subject into consideration, unless he may do so for the purpose of finding, as a friend of mine did, a high knott, that the wash of his yards might give him no trouble.

Several methods have been proposed for saving and increasing manure, but on the whole, the plan adopted by Judge Buel seems to me best adapted to our circumstances. This consisted, as the readers of the "Genesee Farmer" will remember, in shaping the yard like a dish, feaving a margin of ten or twelve feet quite round the outside. With this, if straw he freely scattered weekly over the whole, and the litter from the stables wheeled out and spread, subject to the treading of the cattle, ten times the usual quantity will aceumulate.

Again, it is the decision of some of our best New England farmers that pork making is a losing business, unless particular attention be paid to the compost heap. If this be true where great economy is used in feed-.n.g., what will be the fate of those, who, like myself, have no boiling apparatus nor economical hog yard ?

In the sketch, I have placed this yard in the centre, where the excavation is the deepest.

Roots are justly coming into general use; but no systematic mode of feeding can be adopted unless they are accessible at all times. The long, narrow cellsr exhibited in the plan, I think will be found very convenient. A sort of hopper with a grated bottom might be placed in the windows, into which the cart would be emptied.

The extreme wing at the right in the elevation is the earriage and tool house; to the left of this is the grain barn, say 32 feet front by 45 feet deep, leaving long, narrow bays on each side the floor. The straw stack is directly back of this, and on the west side of the yards.

The centre building has the corn crib and general store room, occupying two-thirds of its length from the back end, which communicates by a trap door with the boiling vats below.

The front is used for a shop, stairway, &c.

To the right and left of this are the hay lofts, which communicate with the feeding alleys below.

The large building on the left, corresponding with the grain barn, covers the sheep house—the plan of which may be thought somewhat whimsical. I know the strongest of these useful animals can live, though exposed to the storms of snow and sleet incidental to stack feeding; but it is susceptible of the clearest proof, that the expense of a comfortable shed is more than paid for by the increased quantity of wool and flesh. I propose that ranges of feeding troughs, four in number, should be placed in the basement, running from the alley to the back and. These are to consist of a rack, and manger at the bottom; the two outer ones single, and placed against the wall; the inner double, that is, to supply food from each side. The racks will communieste with the floor above, from which they are to be supplied with hay.

A narrow floor communicating with the doors shown in the figure, ruus the whole depth of the building. On each side are the hay mows, which are raised seven feet above the level of the floor, that the racks may be accessible. In this way a large number of sheep can be provided for in a small space, and without waste o. time or food. The small wing on the left is the poultry house.

In the stables two cows or oxen occupy the same stall. The ground floor should be paved, as being hetter in every particular than plank.

Macedon.

WM. R. SMITH.

N. Y. Legislature -- "Bill to promote Agriculture.

We stated last month that no report had been made in the Legislature on the petitions for the encouragement of agriculture; and such we still consider to be the fact, although some may think we are mistaken. It is true, Mr. Johnson, sometime in the early part of the session, before the petitions from the Western part of the State were received, offered what was called "A Bill to Promote Agriculture;" but its provisions were so meagre, and so unlike what the farmers asked for, that we were in hopes the committee, on the receipt of the petitions, would become ashamed of their bantling, and report something more in accordance with the petitions, and more worthy of the EMPIRE STATE. But a warm friend of the cause, who has spent some days at Albany, informs us that this bill is likely to become a law, without improvement, and without opposition.

'Half a loaf is better than no bread,' it is true; and the passage of this law will doubtless be a great benefit; but we shall certainly feel a degree of shame in announcing to the world that the great and wealthy State of New York has passed a law for the improvenent of agriculture, and appropriated only \$7000 per annum to the purpose.

The bill before the House provides that \$7000 be approprieted annually for five years, in the ratio of \$50 to each member of Assembly, and \$600 to the State Society. When any County Society has raised by roluntary subscription any sum of money, the compreller is authorized to pay an equal sum, provided it is or greater than the sum appropriated to that county. No mention is made of Commissioners.

It is proper to inform our readers that this bill was smed in answer to the petition of a few individuals bout Albany-self-styled the N. Y. State Agricultural Society-who it will be seen, were careful to provide or their own interests. But, as yet, no notice has cen taken of the numerous petitions which have been ffered by the yeomanry of Western New York.

We have seen no secount of any further action n the bill for the encouragement of Silk Culture. We hope the members of the Legislature will not disgard the wishes of their constituents and the intersts of the State so much, as to neglect these matters Il it is too late to secure their passage.

Horticultural Meeting.

Agreeable to the call published in our last No., n eeting was held in the Lecture Room of the Young lens' Association in this city. Dr. Moses Long was illed to the Chair, and H. M. Ward, Esq. appointed ceretary.

After some discussion, it was agreed to form an asciation to promote the interests of Horticulture, to ealled the Monroe Horticultural Society: givg to persons residing in other counties, the privilege becoming members if they wish to do so.

On motion, a committee of five was appointed to epsre a constitution for the society, and report at the xt meeting.

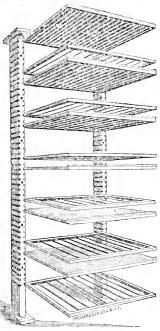
The following persons were nominated: Silss Corell, S. O. Smith, H. M. Ward, P. Barry, Benj. Hill. The meeting then adjourned to meet in the same ace on Thursday, March 25, at 2 o'clock, P. M.

A meeting was held agreeable to the above adjournent, but not being so numerously attended as was itierpated, and the committee being unavoidably abnt, it was thought proper to postpone the adoption of e constitution until the first Thursday (being the 6th)

May next. The meeting adjourned to meet on at day at the same place, at 2 o'clock, P. M., for e purpose of organizing the acciety.

The friends of Horticulture in Monroe county, (and oae who please from adjoining counties) are respectlly requested to attend.

According to our promise, and the request of several subscribers, we here give a description of the "Burlington Silk Frames," mentioned in our Feb. No .-The engraving and remarks below, render the subject quite plain. If any persons in this vicinity desire to obtain any of the frames, they can leave their orders with our publishers, at the Rochester Seed Store.



BURLINGTON SILK FRAME.

This simple yet complete apparatus for feeding Silk Worms, invented and pstented by Edmund Morris of Burlington, N. J., has been found, after repeated trials to accomplish the following important objects .-

1. It secures the most thorough ventilation to all parts of the frame on which the worms are feeding, below as well as above, and obliges them of necessity, to clean themselves of their excrement and other rub-

2. That part of all former modes of feeding which requires waiting for the worms to mount upon fresh folisge in order to clean them, is entirely dispensed with; and though cleaning is never necessary, yet should the worms require changing, it is done almost instantly, a thousand at a time, and without the worm,

being conscious of the change.

3. The whole apparatus is as portable as a quilting frame; and all the parts which require handling during the feeding sesson, are as portable as an umbrella,

without being liable to breakage. 4. Ventilation and cleanliness are so perfectly accomplished, that disease seems out of the question, unless originating in the egg.

5. The age (from the spinning) of any number of cocoons, from one thousand up to a million, is identified to a day, and they are gathered with six times the facility of the hardle system, at the same time coming out perfectly clean, and with but little waste of floss.

6. By using branches, cut down with a gross hook or scythe, it saves more than one half the usual expense of gathering foliage and feeding it out to the worms, and more of them are accommodated in the same space.

7. It is cheaper and more durable than the hurdles. All the purchaser is required to do after receiving his frames, is to put in a few neils to support his uprights, and to put straw into his spinning roofs, and the whole contrivence is complete and ready for use.

The vast superiority of this over all other fixtures for feeding silk worms, is such as to be apparent even for teeding silk worms, is such as to be apparent even such selection can be made to persons not acquainted with the resring of them; the order will be speedily atter

while intelligent gentlemen, practically conversant with the busine sa, have pronounced, without a single exception, that it fully accomplishes all that has been said above. It is been tried repeatedly and found successful in practice, and may be seen at the Burhugton Filature, where I ersons interested in the silk business are invited to exa. nine into its merits: It rejects mess are invited to eag. and into its merius. It reports the hurdle system ent, rely, and is original in all its parts. A frame sufficient to feed 6,000 worms, may be seen at Jos. Leeds U. S. S.R Agency, No. 2 Franklin Place, Philadelphia, the proprietor of which has been appointed agent for which the property of the property of which the sale of frames and the property of the pr rights, to whom, or to the ontentee at Burlington, An engraved view, with application may be made. a full description, will be sent on a oplication, post paid. Gentlemen about to erect cocconer, es will find it highly important to examine the capabilit ics of this Franc, previous to erecting any other fixtures

The most unqualified approbation has been awarded to this Frame by the numerous visitors who have examined it, and none have made any objection, or ex-Na any large pressed a doubt of its capabilities. cocoonerics are now being fitted up with it, for the coming sesson, and others are building, in which no

other fixtures will be used.

The Patentee proposes to manufacture and se, "! these Frames, or to dispose of the right to individua 18 to make them for their own use, in order to accommod ate those who reside so far from this city as to make the cost of transportation too heavy s tax for them to pu."chase here. In either case, however, the purchaser should make his own uprights, as the freight would be costly. Each upright, 8 feet long and 6 inches wide, by 2 inches thick, contains 8 feet, costing about 10 cents for hemlock or piac—the expense for making greeves is about 6 cents for each upright. them will accommodate 54 frames, each 3 by 4 feet.

The price for a feeding frame and roof, calculated for the worms to spin in straw, will be 60 to 70 cents for the two-and this latter kind is greatly preferable to The worms are remarkably fend of the lath roofs. spinning in straw so arranged, the cocoons are gathered with equal facility, and come out perfectly clean,

without waste of floss.

To those who prefer to make their own frames, the prices of rights are as follows: For the right to make and use

50 frames and 50 roofs 5 dollars. 100 44 90 " 300 " 46 " 30 " 500 " " 44 1000 50

These frames can be manufactured by the Patentee at a cheaper rate than any individual can furnish them for himself, as machinery will be used for the purpose.

The proper size for the frames and roofs, is 3 by 4 feet, which will accommodate I500 or mere worms. The dimensions can be varied to order. The straw roofs are covered with muslin or thick pasteboard.

Application may be made to Edmund Morris, Burlington, N. J., or to Joseph Leeds, Agent for the Patentee, No. 2 Franklin Place, Philadelphia.

Agricultural Implements Wanted. There is considerable demand for approved a granttural implements in this place; and if a goor A assortment were for sale here at moderate prio-tr. the demand would soon be very great. Put there ar e but a few kinds manufactured in this region, and the trouble and expense of obtaining there, from the cast , great that many will not be obtained from ther e . We would therefore invite some enterprisir, g r hechanic from the east—one w no is familiar w to b ae different approved impleme ats of the lay-and w to has a little capital to invest, to come and establish, ı manufactory in this city. Here are the best of mate cials and facilia ties for the business, means of transpor tation in every direction, and the New Genesee Farr ner to circulate intel igence all over the Western Wo rld. Now, who will come? Any communications of a the subject, addressed to the publishers of this par er, postage paid, will receive attention.

Apparatus for Labor

Professor Dewey informs us th tioned in another column for a " may perhaps be most easily obtai Spencer, Canastota, Madison (direct a letter, post paid, to him

at the articles men-Cheap Laboratory, ned from Charles Λ . Jo., N. Y. Mr. S., any person who will From the catalogue is may be desired, and aded to.

For the New Genesee Farmer.

Castor Oil Beans-Ricinus.

The cultivators of the soil, and indeed all classes of citizens, have reason to reporce that this invaluable medicinal seed, is likely to be turned to a very useful account in the domestic economy of every househeeper. If there is any truth in the following statement taken from the Peoria (III.) press, the composition described below may serve the whole country as a substitute for enerm.

"An important discovery was made about ten years ago, by Mr. Isane Smith, of Eastville, Northampton county, Va. which enabled him to render castor equal if not superjor to the best sperm for burning in lamps, and for which he intended to take out a pa-This he never did, and permission has since been given to make the improvement known for the be which of the public. The included of preparing the oil is, merely to mix with it spirits of turpentine, with which it readily combines; in proportion of one of the latter to four of the former.

" Now, since sperm on is becoming scarcer, and the demand for it increases, the citizens of the west especially will find it to their interest to take advantage of the knowledge of this composition.

"As to its excellence, there is but one opinion among those who have tried it. A lamp filled with this composition will burn four or five hours without the slightest appearance of crust upon the wick, and on extinguishing the flame, there is no fire remaining in the wick, as is generally the case with sperm oil, except of the very best quality-indeed, in the extinguishing and re-lighting a lamp of this oil, there is a strong similarity to that of a gas light. But it burns perfectly free from smoke or the least degree of offensive smell-emits a clear and powerful light, and never congeals in the coldest weather."

The main difficulty experienced by those who have undertaken to cultivate the easter bean in a small way in this latitude, has arisen from a want of knowledge how to purify the newly expressed oil, so as to prevent its becoming very rancid and unfit for use. Perhaps a plain and concise explanation of this process which has long been held as an important secre; by the manufacturers of pure " Oleum Ricini" may be of service to some of your numerous readers.

This oil is extracted from the bean either by soaking it in boiling water and then subjecting it to a weighty pressure; or by bruising the seed and expressing the oil cold. The latter is called cold expressed, and the former hot expressed oil, in the market. Most of the castor oil consumed in the United States is imported from the West Indies. This, as well as a thousend other articles sent to us from abroad, ought to be produced at home and largely exported. Good oil is now worth by the quantity in New York one dollar and thirty-eight cents a gallon, which can be obtained from . bushel of beans. Land well adapted to their growth, and properly cultivated, will yield in this latitude from twenty-five to thirty-five bushels to the acre. The expense of growing and harvesting does not greatly exceed that of an acre of corn. The press and other machinery used for the manufacture of linseed oil will answer very well for making castor oil. The proneness of this oil, and indeed of all fixed vegetable oils, to become rancid, arises mainly from the mucilnge which is intimately blended with it when expressed. Mucilage is quite insoluble in boiling water, honce if we put crude oil and water together in the proportion of five quarts of water to four gallons of oil and gradually heat them over a moderate fire, the mucilage will rise to the surface in a thick seum. All of this should be carefully removed with a skimmer into a vessel for further purification. The skimming should be continued during ebulition as long as any scum arises. The boiling should be kept up until all the water is evaporated, when the oil should be removed from over the fire, otherwise it will burn. It should then be put up in clean tight bottles or casks. and is ready for market. Other oils may be purified n the same war.

and time to cultivate an acre or two of the easter bean without interfering materially with their other farming operations. It should be planted on a warm, nch soil, and as early in the spring as can be done and escape frosts. The hills and rows ought to be about tour feet apart. In warmer climates they are placed five feet asunder, because the plants grow much larger than they will in Western New York.

There is an establishment creeted at Peoria, for the manufacture of castor oil, the proprietors of which offer to contract for all the beaus they can obtain at one dollar a bushel. May the best success attend the enternrise. Yours truly, D. L.

Buffalo, March, 1841.

QUERY.—Will the Ricinus thrive and produce seed to advantage, in as cold a climate as of this State?—Ens.

For the New Genesce Farmer.

Cheap Laboratory.

Messes. Epitors: - As you have not given a reply to the question on the articles and cost of apparatus for a cheap laboratory such as a farmer would need. 1 submit the following. It is difficult indeed to give any very definite statement, because the object designed to be accomplished by the apparatus is not stated. suppose, however, that the mere examination of soils. as the analysis is rather difficult, long, and perplexing, is not the object. Should that alone be the object, a few crucibles, tumblers, wine glasses, plates and vials, with tongs for handling the crucibles, and scales for weighing accurately to half a grain, would be necessary, and cost two or three dollars. To these should be added several small bottles of chemical tests, such as acids, alkalies, nitrate of silver, exalate of potashor ammonia, which cost three dollars more, and for the

For General Illustrations of Chemistry. Pyrometer to show expansion of solids, 4 00 2 Bolt heads " houids, 50 1 25 6 Florence Flasks for boiling liquids, 6d 37 Wires for showing conduction of calorie, I 00 2 Air Thermometers, 20c, and 1 Farenheit, \$3, 3 20 Pair of Tin Mirrors for reflecting caloric. 4.50 Rell for do 4s, and Air Thermometer, 4s,1 00 3 feet of Glass rods, 18d, and Iron stand and rings, \$2, Argand's lamp \$2 50, and spirit lamp 50c. Fire pump or air condensing Fire Engine, 1 00 2 pint Retorts 6s, and 2 half pints 4s, 1.25 I Gas bottle \$1, and Tin pipe to conduct gas 4s, 1 50 Gun barrel for procuring oxygen, 1.00 Or an Iron bottle for the same, 2 00 And 6 feet lead pipe to conduct it, I pint receiver closed at top, or large tumbler, I quart receiver with ground stopple to burn Iron wire in oxygen, 1 25 Small gazometer to hold oxygen. 3.00 Or two small gazometers in a small eistern to hold oxygen and hydrogen. 4 00 And compound Blow-pipe for the brilliant exneriments. 4 00 Tin pipe for burning stream of hydrogen. 50 And 2 glass tubes for musical tones, 75 Iron turnings for hydrogen, Bottles of acids and alkalies, 2.60 The preceding articles would enable a man of some

experience, to perform a great many experiments -Most of the articles wear out with use, and some break easily. Some knowledge of chemistry will enable the enquirer to select from the preceding such articles as would be best suited to his object. The whole amounts to less than fifty dollars. A good selection might be made for thirty dollars. I have been willing on this account to give the articles more numerous then may be desired.

If it is wished to add experiments in Galvanism, I shall be happy to give any information in my power. nutes of the society.

There are but few farmers who could not find room It is ardently to be desired that some of our independent farmers might succeed in establishing small laboratories, and in exhibiting the more common and general parts of chemical knowledge. C. DEWEY.

March, 1841.

Hints to Western Emigrants.

Drink cold tea, or buttermilk diluted with water, but no whiskey. Go out of your ploughed and newly cleared fields before the sun is down, and the miarmi begins to rise, and keep in doors in the morning until the sun has dispersed the same.

In hot weather make a fire in your house every evening, to dry and cleanee the air. For ordinary medicine, drink strong boneset ten; if very bilious, take Gregory's Pille, (not the spurious sort,) they contsin antimony, but no calomel.

Few and simple as are the above directions, had they been strictly followed, many lives might bave been saved, and hundreds of congestive fevers pre-

The history of deaths by fever at the west, is but a combined detail of gross neglect and still grosser ig. norance. Some men think that as long as they have a morbid appetite to eat, they have no need of medicine or a physicism; and when a physicism is called. he is looked upon as a magician whose office it is to raise the dead.

I once asked a physicien how one of his patients got along. He is very sick said he, but he will not die, for his wife is a better physician than I am, and all of a nurse to boot. I asked in relation to another patient. He is not dangerously sick, said he, but I fear they will kill him-dont you think they were trying to leed him toasted cheese and fried cake.

From the Albany Cultivator.

N. YORK STATE AG. SOCIETY

Albany, Feb. 10, 1841.

Pursuant to public notice, the New York State Ag ricultural Society met at Knickerbocker Hall at Alba ny, this day at 11 o'clock A. M. The Present being absent, ALEXANDER WALSH, Esq., one of the Vice Presidents, took the chair, and Jesse Buel was appointed Scoretary protein. A quorum being present. the minutes of the last inceting were read. port of the Tressurer, C. N BEMENT, Esq., was then received, read, and accented.

The Constitution of the Society being called for, was read, when several amendments were proposed by Messrs. Tucker, Norr and Fuller, which, after discussion, were adopted, and the revised Constitution directed to be published as follows:-

Constitution of the N. Y. State Ag. Society, As Amended Feb. 10, 1841.

The style of this society shall be "The New York Siste Agricultural Society;" its objects shall be to improve the condition of agriculture, horticulture, and the household arts.

Sec 1. The society shall consist of such citizens of the State as shall signify, in writing, their wish to become members, and shall pay on subscribing not less than one dollar, and also of honorary and corresponding members.

The presidents of county sgricultural societies, or a delegate from each, shall ex-officio be members of this society.

The payment of fifty dollars or more shall constitute a member for life, and shall exempt the donor from annual contributions.

Sec. 2. The officers of the society shall consist of s president, eight vice presidents, one to be located in each Senate District; a recording secretary, a corresponding secretary a treasurer, an executive committee, to consist of the officers above named and five additional members, of whom three shall form a quorum. and a general committee, the members of which shall be located in the several counties, and be equal to the representatives in the house of assembly.

Sec. 3. The recording secretary shall keep the mi-

P. M.

The corresponding secretary shall carry on a correspondence with other societies, with individuals and with the general committee, in furtherance of the ob-

jects of the society.

The treasurer shall keep the funds of the society. and disburse them on the order of the president or n vice president, countersigned by the recording secretary; and shall make a report of the receipts and exditures at the annual meeting in January.

The executive committee shall take charge of and distribute or preserve all seeds, plants, books, models, &c., which may be transmitted to the society; and shall also have the charge of all communications, designed or calculated for publication, and so far as they may deem expedient, shall collect, arrange and pub lish the same in such manner and form as they shall deem hest calculated to promote the objects of the so-

The general committee are charged with the interests of the society in the countres in which they shall respectively reside, and will constitute a medium of communication between the executive committee and

the remote members of the society.

Sec. 4. There shall be an annual meeting of the society on the third Wednesday in January, in the city of Albany, at which time all the officers shall be elected by a plurality of votes and by ballot, with exception of the general committee for the count es which may be appointed by the executive committee, who shall have power to fill any vacancies which may occur in the officers of the society during the year Extra meetings may be convoked by the executive commit-Extra tee. Fifteen members shall be a quorum for the transaction of business

Sec. 5. The society shall hold an annual cattle show and fair at such time and place as shall be desig-

nated by the executive committee.

Sec. 6. This constitution may be amended by a vote of two-thirds of the members attending any an-

nual meeting. A committee of fifteen was appointed to nominate officers of the society for the ensuing year, to report to a meeting to be held at the Senate Chamber, at 3 o'clock, P. M. to-morrow. Adjourned to 3 o'clock,

Feb. 10, 3 o'clock, P. M.

Met pursuant to adjournment, for the purpose of complying with the invitation of Ezra P. PRENTICE. Esq., to visit Mount Hope Farm, near this city, to view the beautiful and extensive herd of Improved Short Horns owned by Mr. P. The company, some fifteen or twenty in number, after an examination of the Short Horns and South Down sheep at Mount Hope, with which they were highly pleased, were ta-ken by Mr. Prentice to Mr. Corning's farm, where they had an opportunity of viewing a portion of the Hereford caule and Cot-wold sheep imported by Mesers. Corning and Sotham the past season.

Senute Chumber, Feb. 11, 3 o'clock, P. M.

Met pursuant to adjournment, H. D. Grove, Esq., one of the vice presidents, in the chair. The committee appointed to nominate officers, made their report, which was read and accepted; and the following gentlemen were unanimously elected officers of the society for the ensuing year:

JOEL. B. NOTT, of Albany, President, Vice Presidents.

1st district, Jeromus Johnson, of Kings. ROBERT DINNISTON, of Orange. CALER N. BEMENT, of Albany. 2d

2.1 CALEE N. BENENI, of Albury. EDWARD C. DILLEVAN, of Saratoga. BENJAMIN P. JOHNSON, of Oneids. LEWIS A MORRELL, of Tompkins. 4th Lith

6th WILLIS GAYLORD, of Onoudaga. T. C. Peters, of Genesee. 7th 8th

Additional Members of the Executive Committee.

ALEXANDER WALSH, of Rensselner, GEORGE VAIL, of HENRY D. GROVE, of A. L. Linn, of Schenectady.

JOHN D. Melstyre, of Albany. HENRY S. RANDALL, of Cordand, Cor. Sec'y. EZGA P. PRENTICE, of Albany, Treasurer. LUTHER TUCKER, of Albany, Recording Sec'y

The following resolution was introduced by J. J.

Vieth, Esq., of Rens-elaer.

Resolved, That a committee of five be appointed to prepare, and present, a memorial to the Legi-Inture, now in session, praying for an appropriation of \$7,000 annually, for the benefit of agriculture, to be distributed to the several County Agricultural Societies in the ratio of \$59 to each member of Assembly, and the sum of \$600 to the State Agricultural Society; the ny, at 3 o'clock, P. M:

money to be paid to the several. Societies when they shall have raised an equal sum.

After an animated and interesting discussion, in which Messrs, Viere, Johnson, Roor, Fuller, and others, took part, the resolution was unanimously adopted, and Messis. Viele, Terker, Bener, Me INTERE and VAN BERGES, were appointed a committer to memorialize the Legislature for the purpose expreased in the resolution.

Several Reports were received from Committees appointed at the last meeting, to report on various puntters of practical agriculture, which will be published herenfter.

On motion of C. N. Bement, Esq., it was

Resolved, That the Executive Committee be requested to procure reports from different members of the Society, on the following subjects, to be presented at the semi-annual meeting.

I. On the most approved method of stall feeding exen and other next cattle.

2. On converting green crops and other vegetable

matters into manure. 3. On the best method of increasing manure and

forming a compost. 4. On the proper time to cut Timothy and other grasses, and the most approved method of enring the

5. On the comparative economy of employing exen and horses in the usual business of the farm

6. On the comparative economy of pointoes, rata baga, carrots or beets, as food for cattle, sheep, and ewine.

7. On the relative value of apples as food for swine, r other domestic animals, compared with making them into cider.

8. On the best means of cradicating Canada thistles.

A Resolution was adopted requesting the President elect to deliver an Address in the Assembly Chamber, in furtherance at the objects of the Society, on the evening of the 23d mst.

Assembly Chamber, Feb. 23, 1841.

The Society met pursuant to adjournment at 7 o'-clock, P. M. The Hon. JLREMIAH JOHNSON, Vice President from the first District, took the chair and called the S ciety to order, when the President, J. B. Nort, Esq., delivered an address, replete with eloquence and instruction, which was listened to by a arge and attentive undience with great satisfaction. The thanks of the society were tendered to Mr. Nort. and a copy of his address solicited for publication.

Meeting of the Executive Committee.

The Executive Committee of the New York Sinte Agricultural Society, met at the office of the Caltivator, Albany, on the 23d of February—the President of the Society in the Chair. A letter was read from P. B. Johnson, E-q. Vice President, expressing his regret that he should not be able to attend the meeting. Mr. J. says-" It will afford me great pleasure to communicate with you at all times in relation to the interests of the Society, and to unite with the officers in such measures as shall be best calculated to promote the interests of Agriculture in our I bope something will be done in aid of our objects by the Legislature; and could County Societies be established and sustained, it appears to me that great good will result."

A letter was also read from Col. H. S. RANDALL, Cor. Sec'y., accepting the office, and assuring the committee that he will devote himself zealously and untiringly to the cause. He says-"I wish you would express to the committee the deep regret I feel in not being able to meet them. Say to them, that as one of their body, were I present, I would counsel action .decided energetic action. A mere formal organization-a nominal Society merely, is useless-nay, the next thing to ridiculous; and unless I greatly mistake the signs of the times, effort on our part will be met with more of corresponding spirit, than it has been in preceding years."

After the appointment of a part of the County Committees, the business was postponed, and a committee appointed to make the necessary inquiries and report suitable names at the next meeting.

A committee, consisting of Messrs. Tucker, Prentice, and McIntyre, was appointed to report a code of By-Laws, and Regulations for the better management of the affairs of the Society.

The following resolutions were ununimously adopt-

1. That the Executive Committee will hold regular monthly meetings on the Third Wednesday of each month, at the room No 7, Exchange Building, Alba-

2. That to enable this Society to carry into effect the great objects of its formation, it is necessary to raise the sum of \$1,500, in addition to the aid expected from the State.

3. That as one means of increasing the funds of the Society, the Corresponding Secretary addressa circular letter to the members of the Executive and General Committees, urging upon them the necessity of immediate and persevering personal exertion to in-erease the number of both hie and annual members of the Society.

4. That the Recording Secretary prepare and report at the next meeting, a correct roll of the memhera, specifying those who have paid their annual dues, and the sums due from those in arrears.

5. That the Executive Committee will decide mon the place of holding their First Exhibition and Fair, at their regular meeting in April; and that a committee of nine be appointed to report on the Premium List, so far as practicable at the March meeting. The committee consists of Messrs McIntyre, Walsh, Be-ment, Randall, B. P. Johnston, Grove, Gaylord, Morrell, and Peters; and it is expected they will report individually, their views in relation to the objects which should be made subjects for premiums.

Treatment of Peach Trees.

A respected correspondent in the State of Ohio, avs: "Two years ago last fall, I sealded a part of my peach trees. On removing some of the soil, the worms were exposed in various positions; and all the trees that I scalded at that time, were found to be free from worms in the spring.

"Some that were sealded in the spring however, were not benefitted. The carth was left round tho tree so that the boiling water stood above the part af-

fected, and proved of no use.
"oap sude and weak ley, have sensibly benefitted
the trees; and from a slight experience I have reason to hope that brine will be found useful.

"Among the useless remedies tried, I will name boring and plugging with sulphur.

"Soap suda acts like a charm on healthy peach trees; but on such as have the yellows, it is like food in the stomach of a dyspeptic."

> From the Journal of the American Silk Society. Silk Culture.

COMPARATIVE VALUE OF DIFFERENT KINDS OF SILK WORMS.

GIDEON B. SMITH, Esq. Sir,-In June last I tried an experiment with several varieties of cocoons, which may be interesting to the numerous readers of the Silk Journal. The silk worms were carefully ted and were perfectly healthy. I intended them for obtaining eggs for the year 1811, and was auxious to ascertain, by my own experience, which are the by swritties. The cocoons were carefully recled on the Piedmontese reel, and the silk weighed with r small copper scales.

8 oz. of mammoth white cocoons, flors of, chrysa: lids not killed, in number 141, yielded 360 grama of

8 oz. of pure white pea-nut cocoons, floss on, in number 134, gave 359 grains of reeled silk.

8 oz. of various colored pea-nut cocoons, floss on, in number 148, gave 32J grains of reeled silk.

8 oz. of mammoth sulphur cocoons, flosa on, in number 134, gave 327 grains of recked silk.

I have not succeeded in keeping silk worm eggs in an ice-house, to hatch successive crops through the summer. Last winter I sent a quantity of manmoth sulphur silk worms to an ice house in Newbern .-They were put up in a box, in the manner recommended by the Messrs. Carsons. In July, I had the box brought down, and spread the eggs on a feeding shelf-not one of them hatched out. I am informed the ice house was not filled until March; it is probable the hot weather in February started the hatching process, and then putting them on ice, in March, destroyed their vitality. Silk worm eggs intended for a succession of crops, in this lstitude, should be put into the ice house in December and January.

I have raised about 30,000 multicaulis mulberry trees this year, for feeding silk worms, and intend to give the silk business a fair trial before I give it up.— My eccoonery is 120 feet by 20, a single story. I cannot perceive why the raising of silk should not be as profitable in the United States as it is in France and

I am, very respectfully, your obd't servt.

JAMES MANNEY. Beaufort, N. C., Dec. 14, 184.

For the New Genesce Farmer. Pleasures and Profits of Agriculture.

MESSES. EDITORS-in the last number of the Genesee Farmer the enquiry is made, whether Agriculture can be made profitable? Mr. Colman answers this question in the affirmative, so far as New England is concerned; but the inquiry still remains, what are the profits of agriculture in western New York, or rather, what may be the profits under a correct system of cultivation? The wealth of the farmer consists in the productive power of his soil, rather than in the extent of his territory. The farmer who possesses 100 or 1000 seres of unproductive land may be poor. The farmer who possesses 10 acres of land with power and skill to manage and cultivate it so as to supply all his wants. is rich.

An increased fertility of the soil is a source of profit too generally overlooked by the farmer. The great defect in our agriculture, so far as my knowledge extends, is want of system. Any system which shall embrace the two great principles of agriculture, namely, a careful attention to the making and application of manure, and a judicious rotation of crops, will ensure success. A general attention to these great principles would raise Western New York, with a soil naturally productive, to the very summit of agricultural prosperity, if at the same time proper attention be paid to the rearing the best breeds of animals. Of the system or course of rotation the best adapted to his soil and his circumstances, the farmer must be his own judge. An acre of good corn land, well manured and properly cultivated, will produce 80 bushels of corn in a season. After the corn crop is taken off, this acre will produce 20 bushels of wheat. If this acre shall be thoroughly stocked with clover and well plastered, and for two years pastured with cows and hogs, with what manure may be made from the land, it will completely preserve the fertility of the soil, and even increase it. Here we have a four year's course, which will most assuredly preserve the fertility of the soil. But the great question remains to be answered. What will be the result of this system, as it respects profit and loss? An answer to this inquiry must determine the course of the farmer. Two acres of clover on rich land will pasture two cows and four hogs in the best manner, through the season. The acre of corn stalks and the acre of wheat straw, with 40 bushels of corn in the ear, ground nd fed with the stalks and the straw, will winter the s in the best possible manner. Fifteen bushels of

pork, or more-this would give 1200 lbs. pork \$5 per cwt, would be \$60. The produce from the two cows in butter and cheese, or some of both, cannot be less than \$20 each, making \$40 for the two. The whole value of pork and dairy produce is \$100; the value of wheat from the acre, at one dollar per bushel is \$20-making the whole value of the produce of four seres \$120; \$50 will give one dollar for each day's labor, and pay all the necessary expenses, leaving \$70, or the interest of \$1000 for the use of four acres for one season, and the soil improving at least five per cent. per annum. Ten acres of good land cultivated after this manner, would afford a family of five persons all the necessaries of life. Forty acres cultivated on this plan will pay the interest of \$10,000 annually, without any diminution of capital.

ound with the cob, and making about 22 bush-

with the slops from the cows, will make 300

rovender-this fed to each of the four hors

However visionary the results of this system may appear to many, it is founded on facts and principles which every intelligent farmer knows to be correct. and can most assuredly be realized by careful and persevering attention. I do not pretend that this system is the best which can be devised; there is such a vaiety of soil, climate and circumstances, as renders it

all. If any of your numerous correspondents will point out the defects of this system, or devise and recommend any other which shall be more profitable, or which shall do more to simplify the subject of agriculture and bring it within the means of all our common farmers, he will deserve well of his country, and be entitled to the character of a public benefactor.

Thus far I have written upon the profits of agricul-So far as respects the pleasures of agriculture I would just observe, that the man who has a mind to adopt a system of husbandry embracing all its great principles, will find an employment more conducive to the health of his body and the peace of his mind, than any other; and, while he stands muon his own soil, and sees a variety of vegetable productions springing up and coming to maturity around him, cultivated by his own hand, it his heart is susceptible of grateful emotions, he will "look through nature up to nature's God," and adore that power that scatters blessings around him in such pleasing variety and in such pro-JESSE IVES. fuse abundance.

Homer, March 12th, 1811.

For the New Genesce Farmer.

On Cattle.

Messes. Editors-Having spent some time this spring in Genesce county for the purpose of purchasing cattle for the Eastern Market, and seeing an ardent desire prevailing among a considerable portion of your intelligent and enterprising farmers of improving their present stocks of cattle, I propose giving some genereral hints upon that subject-more especially to those however, who breed for the Eastern Market. For steers and working oxen, I prefer the Devon's to any other breed: as their fine horns and beautiful red color united with their quick, graceful motions, give those of the same weight, over other breeds, a price varying from \$10 to \$40 per pair more.

For cows, the Durhams stand unrivalled for their superior milking qualities; yet when we consider their color and coarseness of flesh and the quantity of food consumed, they are not so much beyond the Holderness, or a cross of the Durham and Devon and Holderness, which suit purchasers generally full as well as the Durham. I have frequently sold a Cherry Red cow when driving, for full as much as I could a Durham, where the blood of the Devon was evidently to be seen, from the fine color and horns taking the fancy of the purchaser. But I would not by any means wish to be understood to rank the Devon or Holderness in the same class with the Durham, but would either advise the cross, or the pure Durhams for cows. I would also suggest the evil which results from the too frequent practice of many of your farmers in over-feeding their bulls of pure bloods, of either kind mentioned, with grain, &c. &c., in order to make a great show to their neighbors, in the size of the animal, and also in publishing the weight, at 6, 12 and 18 months old, which is proof sufficient that they are not proper animals for sires. More especially where this practice has been persevered in for some two or three generations. It is generally known that the offspring of healthy men, who live and wade in luxury, hand down to their posterity a curse which will follow them through life, and which cannot be easily shaken off; and most certainly where two or three generations follow the practice of their ancestors, their bodily powers sinking into numerous complaints incident to the human family. So with the brute creation. And, depend upon it, if you rear calves from bulls that have had their digestive organs distended, the same will be handed down, and if not fed with the same bountiful hand, such stock will sink into comparative insignificance.

It would be much better for those raising stock to impossible to devise any system which shall suit them | see that their bulls should be fed well; that is, have of animals are found.

as much good hay as they wish to est, and kept as the old saying is, "heart whole," A few roots in winter, say given as often as once a week, would be advantageous perhaps, and advisable, as in winter all animals like a change from dry hay, making them most "hearty."

I noticed a small stock of very fine Devons in Sheldon, in this county: also a fine Devon bull, near Le Roy: also a fine herd of Durhams, the property of a Mr. Remsen, near Alexander, and the very fine Devon bull, Red Jacket, near Batavia, the property of a Mr. Cone, lately from Connecticut.

All the above named cattle I would particularly recommend to the farmers of Genesee county. as they have not, I think, been over-fed, any of them sufficiently to injure their stock. Mr. Cone assured me he had let his bull run with his other stock, none of which had had any food but hay and straw. the best way to produce fine stock. For what farmer is there that can feed and nurse his whole stock? and what farmer is there that wishes any stock of the kinds mentioned, but that will improve his old stock, on the same keeping? Rest assured that good blood will improve your stock, but great feed to particular animals should be condemned.

The Devons have proved themselves to the particular favorable attention of the farmers generally, (excepting, however, those who keep dairies,) for hardy constitution, standing the long winters, and keeping as well as any other stock on the same feed.

Yours, AN EASTERN DROVER.

Col. Sawyer's Berkshires.

To the Editors of the New Genesce Former:

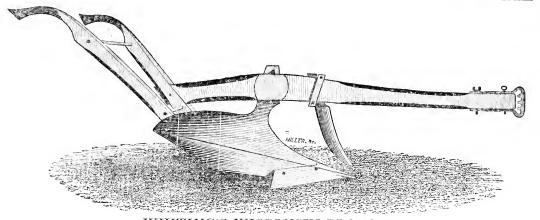
In the last No. of your paper, (page 44,) E. Cornell asks, if the portraits given of Col. Sawyer's Berkshire pigs are correct likenesses?

In my opinion they are not correct likenesses. The pictures of the two boars are much better likenesses than those of the sows, but are not exact. The portraits of the sows, although intended, no doubt, to be faithful copies of the almost perfect animals they purport to represent, I feel bound to say, are mere " fancy's sketches." To show the defects of the pictures, would require more time and space than I can now command; but the simplest observer will at once detect the want of symmetry, and of true anatomical, as well as (if I may so use the expression in this view of it) architectural proportions belonging to this prince of swine, the "Improved Berkshire" pig.

I was in Rochester a few days since, and paid a visit to Col. Sawyer's piggery, where I saw some very perfect specimens of thorough bred, and crosses of the Berkshire. His imported sow, now about two years old, and his boar "Young Prince," from the piggery of Mr. A. B. Allen, are probably as perfect specimens of the middle sized Berkshires as can be found in the country; and can only be exceeded in size, but perhaps not in symmetry, by a few individuals in the extensive piggery of Mr. Allen. Col. Sawyer breeds with great skill and judgment; and I hesitate not to say, that the originals of his Berkshire pigs far excel. in perfection of points and general execllence, the portraits that I have seen of them in your excellent paper.

Very respectfully yours, L. F. A.

Note. I have no desire in these remarks to criticise too severely, the portraits of animals that appear in, and add so much of interest to your valuable publication. The correct drawing of animals, is as much an art as that of copying faithfully, the human face; and this accomplishment is more rare than that of the oth-From the absence of patronage in this country, few have chosen that branch of the profession, and it is from this cause alone, that so few faithful copyists



WISCONSIN PLOUGH.

The inventor of this plough, by a few year's experience in the use of the common ploughs, on the prairies in the west, became fully convinced that the reason why earth so generally adheres to the mould board, is none other than the mould boards being so short and crooked as to form a hollow that esteles the dirt instead of a plann flat surface, that would receive equal pressure as it passes through the sward His next step was to construct one so as to avoid the difficulties common to other ploughs, without in the least impairing its uscillness. And after taking one of the common ploughs, and using it in the prairie soil until such darks would naturally adhere to the board had become fully compressed, he examined it and found that a perfect straight line was formed the whole distance of the board, whether lengthwise or crosswise (as in the cut represented above) with a gradual wind to turn the sward. He consequently constructed one on this principle, and experience in its use has since taught him, as well as others, that it is the best and only principle that can be adopted, whether for prairie or other soils.

Many recommendations might be given, but the following are deemed sufficient.

The following certificate is from the Society of Shakers at Watervliet, accompanied by an order for four ploughs, and will show the estimation in which this

plough is held by that intelligent society of people.

"We hereby certify that we have tried the Wisconsin plough, as exhibited to us for trial by Ebenezer G. Whiting, and we hesitate not in giving it the preference to any thing we have ever seen of the Plough kind, both for ense and utility.

CHAUNCY COPLEY,

BENJAMIN TRAIN,

D. A. BUCKINGHAM, WM. THRASHER.

The following is the report of the judges appointed by the Mechanics' Association of Western New York, held at Rochester, October, 1839, awarding a Di-

ploma to the Wisconsin Plough: A Green Sward Plough-from E. G. Whiting. This article is constructed upon strict philosophical and mechanical principles, combining many advantages

for ough, strong sward land, and those that are new and rooty, as well as those of ordinary kind, and cannot fail to be a layoric article.

C. DEWEY, L. B. LANGWORTHY, S. W. D. MOORE, Judges.

The following certificate is from Mr. Elias Cost, an extensive farmer at Oaks Corners, near Geneva, accompanied with an order for 6 ploughs:

OAKS CORNERS, December 15, 1840.

This is to certify that I bought a two horse plough last summer of E. G. Whiting, of Rochester, which plough I think is the best I ever used.

place it moves easier, and no plough at two noise prough has stammed of Ed. 9. Watting, of Rodenser, which prough thank is the best even used. In the most place it moves easier, and no plough can turn over the sol better. I therefore would recommend the plough to any one for a first rate article. ELIAS COST. References for those who have never used the plough, and are unacquainted with the above recommends:—Herry Voseura, Gares; Marspield Parsons, Brighton; Oliver Clever, do.; Rodense Linds, Rochester; Geo. Whitney, do.; Peter Berser, Pittsford; Isaac Moore, Brighton; George Brooks, do.; Brighton; Oliver Celivers, doc; Rodner Linaxy, Received Section 1988, 1882.

To avoid difficulty for those who live at a distance, patterns for points will be furnished on application.

The above plough is immunicatived and sold at A. J. LANGWORTHY'S Eagle Furnace ware house, Rochester; also at No I Buffalo-st, west end of the bridge, by the Patentee, or SAMUEL RICHARDSON, Agent.

N. B. Patterns for the various sizes, furnished by the patentee. Also Castings by the ton to Plough-wooders.

E. G. WHITING.

WHITING'S PLOUGH.

MESSRS. EDITORS-In the December No. of your aper, I observe an article headed "Important Ploughng Match and Trial of Ploughs," purporting to have een held at Worcester by the Mass. Agricultural Soiety; and as that report is esleulated to convey an rroneous impression, and unjustly prejudice the minds f the community against my plough, you will greatoblige me, and subserve the cause of justice, by ablishing the following remarks with the annexed pallenge.

I am the inventor of the "Whiting's Wisconsin lough," mentioned in that report, and was present at e exhibition; but as I had understood it was to be a tate exhibition, and did not go with the intention of rapetition, but merely to witness the exhibition and st the draught of my plough; but being invited to it my plough in for trial with the others, I cheerfuldid so, although without the least preparation-so ecessary on such an occasion, and used to so good lvantage by others. I will not now take up your time nd space to detail what I deem the errors and unfairess of the report of that trial, but will do so hereafter. uffice it for the present to say, that disinterested perns who were present at the exhibition, gave my plough

who are using my plough in this State, agree in declaring that the report is both unfair and untrue; and if cattle had the gift of speech, there would be more than human testimony to the same point.

Those who are in the habit of using my plough, say it runs easier than any other plough now in use in Western New York, doing equal execution; and no one can persuade them that the above mentioned report is correct, or any where near correct. In order to bring the matter to a test however, I hereby offer a reward of

ONE HUNDRED DOLLARS,

for any plough, manufactured in Massachusetts, that will do as good work, and rnn (not 100 per cent,, but even) one per cent easier than mine; and, in order that distance may not prevent a trial, I will meet any person half way, or thereabouts.

Address, E. G. Rochester, N. V. March 29, 1841. E. G. WHITING.

"The Northern Light."

This is the title of a large Monthly paper, just commenced at Albany, which bids fair to become very popular; and, judging from the reputation of the conductors, and the appearance of the 1st No. now before us, we can safely recommend it to such of our readers decided preference, and together with hundreds as desire a cheap, instructive, and useful paper, of un-

exceptionable moral character. It is published in double quarto form (16 pages) suitable for binding-Terms \$1 per year in advance. The following is an extract from the prospectus:-

"The principal object of the publication is to diffuse information on subjects of practical usefulness. For the more effectual accomplishment of this object, it is proposed to give it a popular shape and to afford it at proposed to give it a popular shape and to afford it at so low a rate as to place it within the reach of all classes of readers. In this respect, it will bear a strong analogy to some of the periodical publications put forth in Europe, by Societies for the Daffusion of Useful Knowledge. In like manner, it will be conducted by an association of gentlemen, whose co-operations of the property of th ation has been secured by the proprietors. association consists of the following persons: John A.
Dix, T. Romey Beek, Gideon Hawley, Amos
Dean, Thomas W. Olcott, and Edward C. Dele-VAN; and the immediate superintendence and management of the publication will be assumed by the The character of these genindividual first named. tlemen, and the fact that they may be considered as representing a variety of interests, political and pro-fessional, afford to the public the highest security that the objects of the publication will be kept steadily and faithfully in view.

The publication will embrace four distinct branches of inquiry and intelligence:

1st. POLITICAL ECONOMY:

2d. AGRICULTURE; 3d. LITERARY & SCIENTIFIC MISCELLANY;

4th. GENERAL INTELLIGENCE.

For the New Genesee Farmer.

The Past Winter.

MESSES. EDITORS-The winter which has just closed, has been peculiar for the mildness of some part of The weather has been quite uniform, though some severe changes have taken place. The barometer has shown no great variations in the weight of the atmosohere.

The mean temp. of Dec. 1838 was 22 ° 76. " 1839 " 28 4.1. 11 " .. 1840 " 25 14. 4.6 " Jan. 1839 " 25 51. 1810 ** 19 20 " 6.6 1841 " 27 02. Feb. 1839 ** 27 4 6 78 1840 0 32 ιι 08. . 1841 " 23 .. " 38. Mean of 3 winter months just ended, 95 20. for 1840 26 61. 95 44 TSO9 09.

The mean temperature of February, 1840, was uncommonly high, and made the mean of the winter somewhat above that of this year. The influence of that warm month was felt through the spring, in the preparation given for the early starting of vegetables.

In December, 1849, there fell in the last half of the month, about 21 inches of snow, and near a foot of it on the 26th and 27th, forming the first sleighing of any consequence.

On Jan 3, 1811, the temperature was 1 ° below zero. 4.4 " 4 46 66 .. 4. ..

The next half was warm; but on the 18th the temperature fell to zero, and the next day was only 3 above, while the rest of the month was warm. At the beginning of this month, snow fell 6 inches, and the sleighing was good till the 7th, when the whole was carried away by a sudden thaw, and on the 9th the ice broke up in the Genesee and passed over the Falls. Little snow fell the last half of the month, and the roads were smooth and fine for earninges.

February 12, 1840, the temperature was at zero, and from the 10th to the 18th was a very cold week, with constant and brisk N. W. winds; and the last half of the mon h was considerably colder than the same part of January. The whole month was 5 ° colder than that of January. Several inches of snow fell in the month, but the sleighing was at no time good. So much for the winter.

The first week of March has now passed, and has been only one-tenth of a degree warmer than the first week of February. On the 7th snow fell 14 inches deep, and the sleighing is now excellent. The present cold offers few indications of an early spring.

Rochester, March 9, 1841. C DEWEY.

Vegetable Oyster Pudding.

"A lady of no small standing," as our Wisconsin friend says, has furnished us the following, and were we at liberty to append her name, we are sure it would be a sufficient voucher for the excellency of her dish.

"Having a great deal of salsity or vegetable syster, I tried many ways of cooking it; at last I thought of making a pudding of it-and it is very nice indeedfit for Queen Victoria.

"Take I pint of sweet cream: 3 eggs; sugar enough to sweeten it, probably 3 large spoonfuls; a ten spoon of salt: a spoonful of bread crumbs: a teacup of grated salsify or vegetable oyster; and a quarter of a nutmeg. Make some pie-crust, line a dish, and bake it about half an hour."

Regretting that we eannot give the name of the invenuer of the above famous dish, we recommend it to special notice; and hope in future that none of our distinguished female friends will hide their names under a bushel, though it may be no (additional) honor to them, even if appended to so fine a dish as the above.

A Scene in Asia Minor.

 Know ye the land where the express and myrtle Are emblems of deeds that are done in their clime? Where the rage of the vulture, the love of the turtle, Now melt into sorrow, now madden to erime ? Know we the land of the cedar and vine. Where the flowers ever blosson, the Leans ever shine? Where the light wings of zephyr, oppressed with perfume, Way frint afor the gardens of Cul ar her bloom? Where the sitron and alive are fairest of fruit And the voice of the night muste never is nute? Where the fints of the earth, and the bucs of the sky. In color though varied, in Leanty may vie, And the purple of ocean is deepest in dye? Where the virgins are soft as the roses they twine And all but the spirit of man, is divine?"

We copy the following sketch of a scene in Asia Minor, for such of our renders as are fond of flowers, and who have not read the "Letters from the Old World, by a Lady of New York. It occurred on the wild route between the Gulf of Macri and Smyrna, about latitude 37 °, but if we make the usual allowance of 10 or 12 degrees on account of the difference in physical climate on this side of the Atlantic, we shall find no corresponding temperature in winter, nearer than the middle of Florida.

It is a sad reflection that lands fertile enough for such productions, and under so fine a sky, should be entirely descrited by the husbandman; and all this on account of the oppressor,-from the savage bandit up to "the most unbeensed and remorseless despotism that the world has ever seen." *

The party, of which this lady was one, carried their own tents and provisions, a cook, &c. &c., and encamped wherever it seemed to suit them best. Our extract begins with the morning of the third day after their departure from Macri.

"The next morning a most glorious scene presented itself to us, which we had not observed in the dusk of the evening before. We were in the midst of a paradise of flowers of such magnificent appearance, unusual size, and profusion of quantity, that were I to relate to you a tythe of what I saw of these splendad productions of nature, you might think I was drawing bruch on my imagination. Were I to tell you that I had seen Oleander-trees twenty-five feet in height, you might accuse me of "drawing a bow" of imensions; nevertheless such is the fact; for not willing to trust to our senses, nor having the means of ninking a trigonometrical measurement of their elevation while standing, we caused one to be cut down, and found it to be of the height before stated, and the body of it six inches in diameter; about ten feet of the latter we have brought away, with the This was only intention of taking it bome with us. one of many, many thousands which we could see at

one glance.

"Very few stood singly, but as far as the eye could bardering each side of a teach, we could see them bordering each side of a stream of water, as in Palestine, only of far greater dimensions and in greater numbers.

"In the latter country, we only saw them near strengs of water, but here we find them also in the midst of the plains. But the most extraordinary and almost ineredable thing for you to realize from my description is this :-- Here was a plain fifteen miles in circumterence, which seemed more like a land of enchantment than any thing that one can realize from the limited observations one is in the habit of making in countries where Flora is less prodigal of her tayors. It seemed to me as if I was in a land where giants had been amusing themselves in arranging and cultivating parterres by the square mile, instead of by the square loot, as we do.

"Distributed over this plain in all directions were groves of Oleanders, from ten to one thousand feet in diameter. At the outer extremes of these cucles and ovals, the trees were not more than one foot in height, and in the centre they were of the lothest dimensions.

"The smaller plots resembled beautiful cones, while the larger ones appeared like mounds of roses. so entirely were they covered with flowers. leaves of the larger trees measured fourteen inches in length by two and a half in diameter.

" So delighted were we with this grand Floral display, that we coursed our borses round and round them

* Blackwood.

in cestacies, plucking handfuls of flowers, and strewing them on the verdant carpet beneath our feet.

"The day began to waste away, and we had not yet made a mile of progress on our road; and our guide informed us that we should find subjects enough of this nature to engage our attention on every side ns during the whole day, if we proceeded onward. We then took up our line of march, and other seenes of a far more pleasing and not less extraordinary nature presented themselves to our astonished gaze, during the remainder of our day's journey.

"We rode through forests of flowering trees in full blossom, of such race beauty and splendid internaxture of species and colors, and of such overpowering fingrance, that we really supposed ourselves in the midst of "the gardens of Gul in her bloom."

"Here were the Pomigrante, with its incipient blossom, its fully expanded bright scarlet flower, and beautiful fruit; the Myitle in full bloom; Lime and Orange trees in blossom and fruit, with many others,

"What are with us but mere shrubs, cultivated with the greatest care, and demanding constant attenion, are here literally standing trees of large dimensions. Around the bodies of these are seen a great variety of flowering energets, Honeysuckles, Jessamines, &c. &c., which reaching to the topmost branches, hang in festoons from tree to tree, so thickly that sometimes it was with much difficulty we could make our way through them.

"Our attention was attracted to another singular appearance in the vegetable kingdom; we rode to it, and found it to be a vast field of Heath and Broom lants of so great a size that we could not at first beheve our eyes, that what we beheld was the real Scotch Heather lifteen leet in height with bodies mensuring six and nine inches in circumference of solid wood. But upon close observation we found we were not in error.

"The whole field which was of great extent, was overed with blossoms. We saw many other fields of the same kind afterward,

There was too much enchantment about all this scene for us to hasten from it, so we encamped early in the day in order quietly to luxuriate on the beauties of this Eden."

Cheap and Durable Fences.

Messas. Editors-As it will soon be time to repair fences, my plan is, where a fence is to stand with. out being removed, I stake out the ground, then throw two furrows towards each other, within about eight inches of meeting, then plough two more the same way and lay them on the top of the others, then plough the loose earth where the last were taken, and and shovel it on the ridge and raise it about three feet high, between two ditches. Then lay a strait fence on said ridge, by placing the bottom rails on stones or wood; cut your connecting blocks of wood about two feet long and lay up the fence five or six rails high. Then stick stakes without sharpening, in the outer edge of the ditches and lay on heavy rails for riders, and no cattle will jump or throw it down. By this method you can build a tence that will stop goese or mgs, will drain the water from the field, no bushes will grow near it, the bottom rails will last much longer, and it is not liable to blow down.

Sliding Gates for Bars.

To obviate the inconveniences of common bars. take two 4 inch scantling, 5 or 6 feet long, and frame the end of the bars into them, take up your bar posts and throw them away, place two stakes or posts near where your bar post stood, the thickness of the bars apart, and two at the other end four inches apart, to receive the frame and keep it perpendicular; mortise out at the bottom of each post so as to receive 4 inch rollers; bed two slabs down level with the surface of the ground, one at the end of the other, and your onte is done. No longer time is required to make such a frame than to make posts and bars, and it is

^{*} In London's Encyclopedia of Plants, no British Heath s marked more than two feet high; but Erica mediterranea s marked four feet; and E. arborea, also from the South of Europe is marked fice feet high. Our travelers may have been very correct in their hotanical examinations, but in a geous of many species (and Erica has 300) it is sometings difficult to avoid mistakes.

swing gate in the winter, in a drifted snow. I have adopted the plan many years and find it answers well.

Protecting Finit Trees.

Build a crib round them, (drawing in towards the top,) of any split firewood; three feet long will unswer the purpose, and the wood will not be lost; place something at the top to keep the trees from chafing. Such a frame will keep sheep or cattle from injuring the trees. By keeping the land loose, the hot sun from injuring the bark, and the wind from racking the trees, they will grow twice as fast,

J. SPRAGUE.

Chataugua Co. March 1840.

For the New Genesce Farmer.

Merino Sheep.

In answer to " A Subscriber," who asks information respecting the Merino Sheep imported from Spain by Col. Humphrey, I take the liberty of extracting the following from an Essay on Sheep, by Robert K. Living-ton, L. L. D., President of the Society for the Promotion of Useful Arts, &c., published, N. Y. 1809.

"To Humphrey and Livingston, their country is indebted for that breed of sheep, which hears the mapoetry, has placed himself among the literary worthes of his time, and by the act has rendered himself more worthy of pastoral celebration than any swain of Area-The latter had by his proficiency in the law, shown himself an upright and impartial Judge; and by this act has proved how deserving he was of the honor of the wool-sack.

The first animals of this race, were two pair bought in France by Dr. Livingston, and sent to New York under the care of one of his own servants, where they arrived in the spring of 1802. Afterwards he obtained permission to ship others, chosen from the highest bred flocks in that kingdom, by permission of the minister of the home department. All these derived their pedigree from the stock given by the Spanish monarch to Louis 16th, in 1786. This royal donation consisted of four hundred rams and ewes, assorted from the best collections beyond the Pyramus; and were conducted to their new residence under the care of Spanish shepherds. Afterwards, by the treaty of Basle, five thousand Spanish sheep were introduced by the government and out of these national flocks was formed, by cullings and oickings, the famous flock of Rambonillet. Mr. Humphreys obtained his sheep direct from Spain. A numerous flock arrived in good health at New York-the particulars of which we insert from the report made by Eleazer Goodrich, Esq. to the General Assembly of Connecticut, in October, This gentleman and his colleague of the conmittee, state-That they have carefully investigated the facts and connected the various subjects referred to them; and take pleasure in observing, that Col. Humphreys, while discharging the high and important duties of his public station, availed himself of the facilities which his character and acquaintance in the capitals of Spain and Portugal afforded; and in the year one thousand eight hundred and two, extracted from Spain a chosen flock of one hundred sheep of the Me-

[Here follows a statement of the committee's of the results of their examination of these sheep, proving their distinguished excellence, and adaptation to the climate of this country, which general experience has since fully corroborated. We deem it therefore unnecessary to publish the statement.-Eps.]

Spanish wool was first introduced into England in the reign of Henry II, at this time the best English supertine broad cloths are chiefly made of Spunish wool.

There are two kinds of sheep in Spain distinguished as the Migratory, and the Stationary sheep:-the former are Merinos-they afford the most valuable fleeces; and this superiority has been attributed to their being exposed to a more equal temperature, ranging upon the northern mountains during summer, and pasturing during winter, on the plains and valleys of the South. Mr. Townsend states, that the wool of the Merino sheep is worth about twelve pence a pound. while that of the Stationary flecks sells only for sixpence; and that every sheep is reckoned to yield a clear

very easy to open and shut. It is preferable to a profit of ten pence to the proprietor, after all expenses are discharged.

I am yours, &c. E Humenneys.

Durham Cows, as Milkers,

The following remarks were made by Mr. Colman during a debate on the subject of Cattle, at an Agricultural Meeting in Boston, a few weeks since:-

"Mr. Colman had not intended to enter upon this discussion, but he felt it due to his official relation to the farmers of Mussachusetts, to say that he had and the pleasure of seeing improved Durham stock of the Messrs. Lathrops, of South Hadley, and he thought them connently beautiful, and evincing great skill and care in their management, on the part of those gentle men. He had seen many of the imported animals throughout the country; and one of the heids imported for the Olno Company, which he saw on their way, was truly splended, and in beauty and perfection of form, fur surpa-sed any thing which he had ever wit-

He must, however, in justice, add, that he yet wanted the proof of the Durham Short Horns being the best stock for our darnes. Seven of the race which he had owned, some full and others half-blood, had been inferior as milkers. The quantity of milk given by many of the animals which he had seen, was remarkable; the quality, in general, interior; though he had found some exceptions, he believed, were accidental.

The Cheshire farmers, who were as distinguished us any in the country or in any country for the produce of their cheese dames, preferred the native stock. From a dairy of eighteen cows, an average of 633 pounds new milk cheese to a cow, in a year, had been obtuin-He had challenged in writing and conversation the owners of the Short Horns in the country to prove, by actual experiment, the dairy properties of this stock; and he would furnish of a hundred cows of our native stock, which had made from twelve to fourteen pounds of butter per week, through the season. was far from having any prejudices against the Improved Durhams. He was an enthus astic admirer of them; but he wanted their dairy properties tested by actual experiment. A very distinguished English for-mer, Mr. Shirrer, who had made the tour of this country, expressed his regret at their introduction, and pronounced them in his book the poorest dairy stock in England. We could not be said to have formed any distinct race among ourselves, excepting the trials made by Mr. Jaques, and a long-continued improvement carried on in reference to mileli cows, in another part of the State, upon which he had reported. Much, undoubtedly, yet remains to be done, but nothing in this respect can be effected but by skill, extreme accuracy of observation, and long perseverance.

He thought the Durhams not well adapted to the scanty pastures and negligent habits of many of our farmers. All high bred animals require particular care and the most liberal feed. Two of the finest oxen ever raised in the country were of this stock. One it is believed, a full blood, from Greenland, N. H. weighing over 3400 pounds, live weight; and one a half blood, raised in Claremont, N. H., and sent year before last to England, for exhibition. weight was said to be 3700 pounds; and he was pronounced in England, by the best judges of stock, as unrivalled for weight and thrift, and eminently well formed.

The best breeds would soon run out if negligently or severely treated. This race were undoubtedly well suited to the rich pastures and abundant products of the West of Kentucky and Ohio. There they would flourish. What might be done for our own stock by more liberal keeping, was yet to be seen. He had known a calf from a native cow, at four months old, to weigh nearly 4 0 pounds; and another, at five months old, to weigh 600 pounds. If the improved Darham stock should prove the best for us, and he kept his mind on this subject open to conviction, we could at once avail ourselves of the distinguished improvements of half a century's skill and toil and expense, se liberally bestowed in England. At any rate, the improvements which they had accomplished in England, so obvious and impressive to the most careless observer, read a most important lesson to us, and showed what might be done by skill and care, by judicions selection, by steady perseverance in a regular system, and by liberal keeping; and presented, at the same time, the most powerful motives to exertion and enterprise in a branch of husbandry, acknowledged by all to be of the first importance.

Different Soils.

" Soils. Every farmer should have some general knowledge of soils, and be acquainted with the naturo of plants, so as to adopt those he cultivates to the soil of his turm. This is an important branch of agri-This is an important branch of agricultural knowledge; every plant will flourish best in that which is congernal with its nature; and if far mers were requirefted with the art of adopting plants to soils, much mannie might be saved; some soils tequire little or no manure to grow some kinds of dams, whereas, to grow other kinds of plants mean the same oil, requires much manne. The best inder to the unture of soils, are the plants that grow upon it; true, the chemist has it in his power to determine the nature of soils without this natural index, yet every farmer who knows the timber, underbrush, and plants which a soil spontaneously produces, deeides at once upon its value for cultivation.

The principal soils are silicia, sand, or earth of flints: hime, or calcurcous carth; alumina, or clay; magnesia, a mineral substance; with these are blended vegetable and animal matters in a decomposing or decomposed state, and salme, acid, or alkaline combination.

The nuture of silicia, or sand, is dry and hot-alumina, or clay, cold and wet-a proper mixture of the two, improve both-all experience shows that manuring sandy lands with clay, or clay lands with sand, is best for grain or pulse. But it is not the best natural soil that the farmer ought to consider, but the depth of The farmer should never lose eight of these facts. For if the richest soil is from lour to six meles deep, and lies on a cold, wet clay, or stone, it will not ic as fruitful as a poorer soil, that is deeper, or lies upon a better stratum. It is now generally agreed that gravel, if not too compact, is the best substrutum to make land prolific

We shall now attempt a plain description of the different kinds of soils, by noticing their quarity. We shall begin with the best kinds of loams and natural carths: these are either of a light brown, or hazel color; hence, sometimes called "hazel loams." They cut smooth and tolerable easy, without adhering much either to the spade or to the plough-share; and are light, frable, termabling,) and fall into small chois. without cracking in dry weather, or turning into tough mortar when very wet.

The next best are dark grey, or sometimes called russet mould." But the worst of all natural soils are the light and dark colored. These clays may all be known by the sight. There is, however, another, and perhaps as equally sure a test of good clays, as that by sight—smelling and feeling. The best kinds of clay emit a pleasant secution being dag or ploughed up, especially after rain; and being a just proportion of sand and clay intimat ly blended, or mixed, will not stick much to the fingers on handling. We would however, remark, that the best soils in the world may be impoverished, and completely worn out by an unjudicious succession of crops, and especially it the ploughings are not frequently repeated before the seed is sown.

As said before, plants are a good index to soils; for we find, if we examine tracts of lands not cultivated, we may also find that time has adapted different kinds of plants to most of the distinguishable varieties of soils; and though some belonging to one may, from some cause or other, be found on lands of a different quality, they seldom thrive or perfect their seeds so as to become general. The great care of the farmer, ought, therefore to be, by proper mixtures, to reduce his land to that state and temperament, in which the extremes of hot and cold, wet and dry, are best corrected by each other; to give them every possible advantage flowing from the benign influences of sun and nir; and to adopt such kinds of plants as they afford in this state, the greatest nourishment to; and to renew their fertility by a judicions allowance of the most proper manures. When these things are done, most proper manures. there are few spots so unfriendly to cultivation as not to repay his expenses and lubor, with a plentiful increase. But without these, the best of land will, in time, become a barren waste, or produce little but weeds." Practical Farmer.

Paying for Luxuries .- The Packet Ship Albany, from New York for Havre, took out \$150,000 in specie. So much for an article, that might as well be produced in this country, employing our own labor and capital, and furnishing a market at home for our agricultural productions.

The annual amount of cheese sold in Cincinnati, is estimated at 900 tons for the last six years.

Ontario Agricultural Society.

At a meeting of the Executive Committ ses of the several towns of Ontario county, convened at the Court House in Canandnigua, on the Co fix upon premiums for 1841, it was agree ed to nward the following premiums, among others, upon the article of Maple Sugar, that is to say;

For the best 100 lbs. of Maple & sugar, \$7.00 second best do 5,00 44 14 third best do 3 00

Competitors to exhibit their Sugar at the Court House in Canandataus, on next, at 10 o'clock, A. M.

OLIV ER PHELPS, Secretaries.

ACKNOWLEDGMENT .- V fe are indebted to Hon. T. Kempshall, M. C., and to He n. A. Kelsey, for sundry interesting documents received fr om them during the winter.

Hate' A's Sowing Machine.

Owing to the engraving not being prepared, we are obliged to defe r the description of this machine till next

RITTENH JUSE & BLACKWELL'S CLOVER MACHINE. -The der eription and certificates respecting this machine we re received too late for this month: they will appear in our next. A. M. HURD is agent, Waterloo

PEA .NUT SILK WORM EGGS WANTED .-- Any person it , this vicinity having these eggs to spare, may

find, sale for them at the Rochester Seed Store. WILD RICE .- Another small quantity of this seed nas been obtained from Canada, and will be distributed

to such persons as desire it for experiment. EARLY ASPARAGUS. - Three bunches of Asparagus were left at the Rochester Seed Store, March 23, from the garden of Dr. M. Brown-Stephen Quinn, Gardener.

THE LOST BOX FOUND .- The box of English Seed reported to have been lost, has come to light, but probably will not arrive before the 1st of May. Some choice articles will then be on hand at the Seed Store

ERRATA.-(This number) Page 58, col. 3d, line 9, for miarmi read miasmi. Page 63, col. 1, for Robert K. Livingston, read Robert R. Livingston.

ENGLISH MARKETS,

We received English papers of 1st March, by steamer Caledonia. The flour and grain trade had been quite dull, but was thought to be reviving a little. American flour in hand (i. e. subject to duty) was 25s. 6d. per bbl. The duty on wheat remained as formerly, 25s. 5d per quarter. The Cotton trade at Liverpool was active.

NEW YORK MARKET .- March 25

The Cotton market continues active. The sales this morning are 2000 bales at full prices. There are sales of Garcese Flour at \$41.51. There have been sales of Corn ad-Securis, Rye is 53 ets. Hops 30 ets. Ashes both sorts, nominal at \$6. Sales of country Mess Beef at \$5.75.3625 (Prime commands \$5.50a\$5,75. 1500 kegs Western Lard sold at 74c.

BALTIMORE MARKET.-MARCH 18.

BALTIMORE MARKET—MARCH IS.

FLOUR—Limited sales of Howard street Flour have been made at \$4.30½, for good common brands. The receipt price has advanced to \$4.25. CU Mills Flour, \$4.50.

GRAYN.—Sales of Maryland white Wheat's at 90 a 93 cents, and real at \$5 a00 cents. Same parced so white were sold this amorning at 90 to 100c.

Seles of Maryland Outs at 22 a 27 cents, and Varginal of 25 a 24 cents.

CINCINNATI MARKET .- MARCH 16,

During the past week the markets on the whole have been During the past week the markets on the whole have been somewhat brisker. In POrt there has been an increased business; our quotations of the article are firmer, though business; our quotations of the article are firmer, though sales at \$11 per blb. Flore its 85,000 which we can quote sales at \$11 per blb. Flore its 85,000. The supply of the having been made at the Canad at \$3.25. The supply of the article is but light; the imports by Canad during the past week amounted to 6565 bils, being some 600 bils less than during the previous week.

GOLD VINE PEAS.

 $R^{
m AISED}$ in Canada by the original producer of this variety, for sale at the Seed Store. BATCHAM & CROSMAN.

Fuc Similes of Letters from George Washing-ton, President of the United States, to Sit Jons Sh-CLUR, OH Agradutural and other Interesting Topics En-graved from original letters, so as to be an exact fac single of the hand writing of Geneal Washington. Price, \$1. For sale by

Rothester, March 30, 1841.

PEAR AND CHERRY TREES. DAVID THOMAS.

OFFERS for Sale the following select kinds which ripen

Fraks for sale he following select know which typen in succession:—
Fraks: Madeleine or Early Harvest, Jargonelle, Julienne, Skillers, Speltenber, Seckel, Virgalieu. Most of these are of large size.
GERRIES: Knight's Larly Block—called Black Tratarian—White Tratarian, Black Crown, May Duke, Transparent Guigar, Carnation

Ornamental Plants.

Trees, shrubs, and herbaceous perennials in great variety,

which will be sold cheap.

Greatfield, near Aurora, Cayuga en. 3 mo. 30. 1811.

FRUIT TREES, MULBERRIES.

The subscriber offers to the public the usual very large assortment, comprising the choicest Fruit Trees, of ev-cy class, and embracing all the newest varieties. Also an immense collection of Ornamental Trees, Shrubs and Flow-ering Hante, Green House Flants, Balbons Roois, and the most even-ive assortment of splendu Dalilias in the Union, All these articles will be sold at a reduction to suit the

All these articles will be sold at a reduction to suit the times, and as cheap or cheaper than they can be elsewhere obtained. For the silk culture, are offered the finest varie-ties of Mubleries, which are the Circassion, Elata, Alpine, Multicaulis, and Broussa; all of which are very lardy ex-cept the Multicaulis, and that withstands ordhary winters. The State of New York having now granted a bounty of Septer bio milk, and Massenbasetts and Vermont having done the same, they will no doubt take the lead in this great autional pursuance.

national pursuit. WM. R. PRINCE, Flushing, March 7th, 18 lb.

N. B.—Priced catalogues will be sent to every applicant. Any persons who wish to establish silk plantations will be supplied with trees, payable by a share of the proceeds,

The Imported English Horse, "Emigrant," WILL stand for Mares the ensuing season, at the barn of W. C. Ashton, in Shelby, one mile west and half a mile south from Medina, Orleans Co., where he has stood

the two last seasons.

It is but just to say that he is not probably surpassed by any horse in Western New York. Good judges who were at the Fair in Rochester, last fall, think that if he had been at the Fatrin hornester, as tan, think that he had been there he would have taken the premium without any doubt. His stock is right—just the thing for farmers and the mar-ket. Gentlemen who wish to ruise good horses will do well to call and see.—He is extensively known in Livingston county. T. H. ASTIPON, SHERM

R. L. CHASE, Medina, Orleans Co., March 9, 1541.

SAVE YOUR QUILLS.

A HIGH PRICE—say \$1.50 to \$2.00 per thousand—will the pand for any quantity of good goose quills, delivered at the Rochester Seed Store.

April 1.

BATCHAM & CROSMAN.

GRASS SEED WANTED.

A YERV HIGH PRICE will be paid for good clean Tunothy Seed, delivered soon at the Seed Store.

March 1. BATEHAM & CROSMAN.

CLOVER SEED,

OF EXCELLENT QUALITY for sale at the Sec Store. BATCHAM & CROSMAN.

"FRANK."

"FRAMA,"

OR Dialogues between a Father and Son, on the sub-jects of Agriculture, Husbandry and Rural Affairs."
This interesting and instructive volume is now for sale by D Hoyt, State st., Rochester. The extracts published in the New Genesee Fermer dump the past year, cannot full to convince the readers of that paper of the value of this book, especially as a present for farmers' children, or young peo-ple in the country.

Seeds at Auburn.

In the list of Agents published last month, T. M. HUNT, Auburn, was omitted by accident.

Agents for the Rochester Seed Store.

A FULL assortment of seeds, put up at the Rochester Seed Store, may be found at each of the fullowing places. Subscriptions will also be received there for the "New Genesee Farmer and Gardener's Journal." ienesee Farmer and Gardener's Journal."

Buffalo, W. & G. Bryant,
Lockport, S. H. Marks & Co.
Albion, C. W. Swan
Brockport, Gearge Allen.
Scottsville, Andrias & Garlut,
Le Roy, Tompkins & Morgan,
Brtavia, J. V. D. Verphanek,
Attica, R. A. N. Wells,
Le Roy, E. B. Bascom,
W. C. B. Bascom,
Mount Morris, L. B. Carsons & Son,
Mount Morris, L. B. Carsons & Son,
Mount Morris, J. F. A. G. W. Wyman
Geneseo, J. F. & G. W. Wyman
Geneseo, J. B. Hayes,
Vork, R. H. H. French,
Geneva, A. Hentinp
 York.
 R. H. French.

 Geneva.
 A Heminy

 Waterloo.
 Abram Deuel.

 Auburn.
 T. M. Hunt.

 Palmyra.
 Hoy & May.

 Syracuse.
 T. B. Füch & Co.

 Utica.
 J. E. Warner.

 Oascom
 D. Canfield.
 Oswego, D. Canfield
Hamilton, J. A. Mott.
Cooperstown, S. Donidelay.

BATEHAM & CROSMAN, Rochester Seed Store, March 1.

ROCHESTER SEED STORE -- 1841.

BATEJIAM & CROSMAN, the proprietors of this we

BAFEHAM & CROSMAN, the proprietors of this we known establishment, respectfully inform the public that they have now on hand a general assortment of superio English and American SEEDs of the growth of Isl9, an other articles in their line of husiness.

For the FARM—choice varieties of Corn, Grain, Grass Clover, &c., and seeds for Root Crops such as Mangel Wurt et Sugar Beet, Carrof, Ruta Baga, English Toring, &c. et al. (Sugar Beet, Carrof, Ruta Baga, English Toring, &c. et al. (Sugar Beet, Carrof, Ruta Baga, English Toring, &c. et al. (Sugar Beet) and approve the GAMDIN—all the most valuable and proved from England;—such as the different varieties of Cabbage, Caulier (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the GAMDIN (Sugar GAMDIN)—all the most valuable and approved the most valuable and approved the control of the control of the control of the establishment with great care.
FLOWER SEEDS—about 200 varieties of the most beau-

tiful and interesting kinds.—(Price 50 cents per doz. papers.) ROOTS AND PLANTS—Choice kinds of Potatoes, Asparagus and Pie-plant roots, Cabbage, Cauliflower and other

plants in their season.

TOOLS AND IMPLIMENTS, of various kinds, for the Farm and Garden. And a large collection of valuable BOOKS on subjects connected with farming and gardening.

SHER WORM EGGS-of different kinds, on hand in their eason. CATALOGUES gratis un application. Merchants

supplied with Seeds at wholesale, on liberal terms. Orders from a distance containing a remittance, or good city referfrom a distance containing a reasonable circe, will receive attention.

BATEHAM & CROSMAN.

BATFHAM & CROSMAN.
Arcade Hall, Rockester, April 1, 1-11.
Thublishers of newspapers, in Western New York and 1-per Canada, who choose to insert the above 6 times, shall be entitled to three dollars worth of seeds, on demand at our store, or any of our advertised agencies.

B. & C.

MOUNT HOPE GARDEN & NURSERIES,

ROCHESTER, NEW YORK.

THE Proprietors of this establishment offer for sale an extensite assortment of Fruit and Ornamental Trees, Flowering Strutis, Green House Plants, Bulbous Flower Roots, Double Dalitas, &c. &c.
Gardiers ladi out, and Gardeners furnished on reasonable

Gauciers had one, and Gauciers turnshed on cosonator notice.—Persons requiring information on any subject connected with the business, will receive a prompt reply.

All orders, letters of inquiry, &c. must be addressed (post nad) directive to us.

pand) directly to us. paul) directly to us.

Trees, Planis, &c., will be carefully packed, so that they
may be carried to any part of the country in safety; and packages will be marked and shipped as may be designated in the

rder. Persons with whom the proprietors are unacquainted, are requested to give a satisfactory reference, or name some person in the city of Rochester, who will guarantee the payment.

ELLWANGER & BARRY.

Rochester, Dec. 1, 1849.

AGENCY FOR PERIODICALS.

M. A. HERRICK, No. 61, Buffalo st., opposite Eagle Hotel, Roches'er-Agent for Godicy's Lady's Bock, Graham's Gentleman's and Lady's Magazine, Littelf's Select Reviews,

ROCHESTER PRICES CURRENT. CORRECTED FOR THE NEW GENESEE FARMER, APRIL I, 1841.

WHEAT,....per bushel,.... \$ 79 a \$ 81 CORN,....." $37\frac{1}{2}$ 25..... BARLEY,..... " 371 BARLET, "
RYE, "
BEANS, White, "
POTATOES, "
APPLES, Desert, " 50..... 623 22..... 25 38..... 50 Dried,... " 75..... 88 CIDER,..... barrel,.... 100..... 150 FLOUR, Superfine, "....4,121.....4,25 "Fine," 3,75....4,00 SALT, "2,00 "2,00 "4,00 SALT, "2,00 "4,00 "5,00 "4" Prine, "4" 8,00 9,00 "4" Hog, 100 lbs 3,75 4,00 8..... EGGS, per pound, 8...
BUTTER, Fresh, per pound121...
Firkin. "Firkin, " 10"
CHEESE, " 6
LARD, " 7
TALLOW, Clear, " 8 1,00 PEARL ASHES, ..100 lbs..5,00..... " " ..4,50...... WOOL,pound, ... 35..... HAY,ton, ... 7,00.... 40 8,00 GRASS SEED,...bushel, 1,50..... 2,00 GRASS SEED, ... Dusnet, ... 1, 100. CLOVER, "... 6, 600. FLAX, "... 75. PLASTER, (in bbla) per ton, 6, 00.

bulk(at Wheatland)3,50

B. BATEHAM. F. CROSMAN.

Proprietors.

VOL. 2.

ROCHESTER. MAY, 1811.

JOHN J. THOMAS, NO. 5. M. B. BATEHAM, Lilitors.

PUBLISHED MONTHLY. TERMS.

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in this state, and one and a half cents to any part of
United States. ldress BATEHAM & CROSMAN, Rochester, N. Y.

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Take Particular Notice.

No subscriptions for this paper are received for less an one year, and all must complence with the 1st No T7 Volume 1, stitched in a cover with index, &c., can still furnished-price, 50 cts.

No commission, or deduction of price can be allowed Agents if the money sent is more than 5 per cent, discount; d if over 10 per cent. discount, the money will be returned, Lichigan is 25, and Indiana 15.)

TP Subscribers who wish to change the direction, or send ly instructions concerning their papers, are requested to do through their postmasters, or pay the postage. Those he send us unpaid letters, which are of little or no benefius, must not complain if they do not receive attention. Our friends will please remember that this is a very sy time with us, and letters are sometimes so numerous, nat a little delay on our part is unavoidable, especially as Ir. Batcham's health is not very good.

Hints for the Month.

This is the month for the farmer to be wide awake. There is "oceans" of work to do, as our friend down est would say, and the farmer must not relax his fores, if he would plough through this ocean by the end of the month-something more will be required than oloughing the soil, all important as this may be.

As good and officient teams are of the first consequence, let all your horses and oxen, be very carefully aken care of ;-well and regularly fed,-well and regularly watered,—and regularly, but moderately worked. A bashel of outs, well fed, will dof more good than two bushels, fed improperly.

Then, having got your teams, all in good condition, and your ploughs and other implements, all of the best kinds, and in fine order, you can begin with some satisfaction.

Plough well-if the ground be already broken, plough very narrow slices-it will look much better, and be much better for it.

Let all crops be well out in-

Apply all your manure-suffer none to be idle-suffer none to waste.

Plant corn early. To keep off the crows, warm the seed before planting by hot water, then pour on a little tar, which will finely coat it while thus warm, then roll it in air-slacked lime. This is experience. The crows will "beg off,"

Plant the rows perfectly straight. Then the cultivator will run well between.

Put in plenty of root crops-carrots-sugar beets, mangel wurtzel-turnips,-and so forth. They make fst cattle-and a fat dairy. How many there are in this region, who would have been glad a few days ago to have had an odd hundred or two of bushels, to have filled the mouths of their hungry and starving cattle, in the absence of the last morsel of bay. O. one word about enrrots-get seed of the new white kind-they are much more productive-and much easier harvested-we have tried them.

Get your ground ready for ruta bagas by manuring, and then ploughing and barrowing repeatedly between this and the time they are planted. This puts the soil in first rate order-kills weeds-and lessens subsequent labor exceedingly.

Gardening for May.

The season is remarkably backward, and but little if any work has yet been done in gardens in this vicinity. The weather has been quite cold during the past month, but there is now some prospects of its being warmer, and danger from frosts is mostly over. Let no time be lost in sowing or planting the early hardy kinds of vegetables, as mentioned last month. This done, and all danger from frost being over, preceed to put in the more tender kinds, and such as are intended for fall and winter use. For the benefit of new subscribers, and to refresh the memory of old ones, we repeat some of the directions given for May last vear.

-The early kinds may be planted early in Beans .the month, and the late kinds about the 10th or 15th. The Lima Beans require a warm, sandy soil, and should not be sown during wet or cold weather, as they are liable to rot.

Bects, Carrots, Parsnips, Onions, &c., may now be sown for the main crop. Those sown last month should be thinned out as soon as the plants will permit. Stir the ground frequently, and be careful to keep it clear from weeds-now is the time to kill them easily, and a few days' neglect may spoil the crop.

Broccoli, Cadiflower, and Cabbage plants, raised in hot beds, if of sufficient size, should be transplanted into the open ground early in the month. them up carefully, and immediately immerse the roots in mud, to prevent their drying; this renders it unneces ary to defer the operation till a rainy day. The carly York and other small cabbages, need not be set

more than half the distance apart of the Drumbead and the Cauliflower. These ought to be three feet apart, and on very rich land. The Purple Cape Breecoli is an excellent vegetable, and easily raised. The seed may be sown in the open ground; early in May, and if the soil and cultivation are good, they will head finely in antumin. Winter cabbage may also be sown

Cauliflower seed may also be sown in the open ground early this month; and if a favorable season, it will do well.

Celery if sown early in a hot-bod, will now need to be transplanted in a nursery bed, where it can gain size and strength, and be fit for setting in trenches next month. Set the plants four inches apart and water frequently. Shade from hot sun till rooted.

Tomuto, Egg Plant, and Pepper, should be remeved from the hot-bed about the middle of the month. If the plants are getting large, they may be removed earlier, but must be protee ed during cold and fresty nights. Egg Plants and Peppers require rich land; a light, sandy soil is best for Tomatoes—if it is rich and moist they run too much to vine, and do not bear well.

Turnips .- Sow a little of the Early White Flat Dutch Turnip, as soon as may be, and if the soil is free from worms they may do well. Sow again the latter part of the month.

Radishes uppy he sown now, and repeatedly during spring and summer.

Lettnee should also be sown often. Transplant ome of the earliest sown, in order to have fine large heads for summer.

Peas. - Sow Marrowfat, and other large kinds repeatedly, during this and next month.

Indian Corn .- Plant some of the early golden vaicty as soon as possible—if it escapes the frost all is well. Plant some Tu-carora and Sweet Corn as early as danger from frost will permit; and again about the last of the month.

Melons, Cucumbers, and Squashes .- Plant early in the month, for early use, and about the 15th for the main erop. If planted on highly manured ridges or mounds, they will bear much better than in the ordinary way, especially if the ground be cold and heavy.

Flower Seeds may now be sown in the open ground. Those forwarded in hot heds should be transplanted about the middle of the month.

Watering. - Do not neglect watering in dry weather-it should be done in the evening, so that the water may sink in-not dry up.

Agents for the Rochester Seed Store.

A FULL assortment of seeds, put up at the Rochester Seed Store, may be found at each of the following places, subscriptions will also be received there for the "New

Genesee Farmer and Gardener's Journal."
Buffalo,
Lockport,
All-ion, , C W Swan
Brockport,
Scottsville,
to Por
Le Roy,
Batryia, V. D. Verplanck.
Attiea,
Warsaw, E. R. Biscom,
Perry, L. B. Parsons & Son,
Mount Morris, R. Sleeper.
Nunda,
Geneseo, J. F. & G.W. Wyman
Canandaiqua, J B. Hayes,
York, R. H. French.
Geneva A Hemiup
Waterloo, Abram Devek
Auburn
Palmyra,
Tabliffa,
Syracuse,
Ulica,
Oswego, D Canfield
HamiltonJ A. Mott.
Cooperstown, S. Doubleday.
BATEHAM & CROSMAN.

Rachester Seed Store, March 1 ..

" Wonders of Horticulture."

An exchange paper credits the Gardener's Gazette for the following extract, which we copy for the purpose of comment:—

"Few would suppose that the peach (from which branched the nextraine) had its origin in the wild (1) lime. That favortic edible, celery, springs from a rank and aeral root, denominated smallage, which grows in all sides of ditches, and in the neighborhood of the sea. The hazelnut was the ancestor of the fillest and the cob-nut, while the luseious plum (2) can claim no bigher source than the sloc. From the sonic [sour?] (rab (3) issues the golden pippin."

(1) What is the wild lime? In England, where we suppose this article was written, the linden (Thin) is called the lime tree; and hence Cowper in commerating their forest trees, mentions

____the lime at dewy eve

but we can hardly think the Gazetteer could imagine there was much resemblance between a basewood and a peach tree. So we turn to the Citrus limetta (the lime of which punch is made,) but find ourselves no nearer to a solution of the difficulty. The lime is a berry of 9 cells—the peach a fleshy rind with a hard stone in the middle. Such a change would be transmutation indeed! and Botany would be no longer a science; but such a change never happened.

(2) The plum (Prunus domestica) is a distinct species from the sloe (P. spinasa;) and neither Ray, Linnens, nor any other botanist of whom we have any knowledge, bus ever imagined them to be nearer akin. It is absurd to talk of one species springing from another.

(3) On this point, the Gazetteer has authority on his side; but we believe nevertheless that he is in an error R 19 considered the English crub-tree or wilding, a distinct species from the cultivated apple; and we think no good reason can be given by modern botanists for confounding them together. The permanent characters of these two trees, (as given by Persoon and Gray,) show that they differ more than several other species of the same genus which are admitted to be distinct by all betanists. We subjoin those characters:—

CRAB-TREE. * Leaves ovate, neute, villous underneath; styles bald; fruit the size of a chestnut, acerb, astringent, austere.

Apple-TREE. Leares ovate-oblong, acuminate, glabrous; styles villous; fruit more or less aweet.

Now if we compare these differences with the differences between some other species, we shall find them very full and ample. For instance—Pyrus Pollecria differs from the common pear (P. communis) in having down on the under side of its learns; while the True service tree (P. domestica) is specifically distinguished from the Mountain Ash (P. ancuparia) by its leaves being rillous underneath, while those of the Inter are smooth on hath sides.

It may be proper to explain that all seedlings of the apple are called wildings in some parts of England; but such is not the wilding whose character we have given, and which Sir Humphrey Davy says "always produces trees of the same kind—all bearing sour and diminutive fruit."

To distinguish varieties from species sometimes requires more expanded views than botanists have always taken. They may be minutely correct on many points, and yet fail to grasp the most important feature. Does a plant spread into many varieties like the apple—then there is a danger that some of these may be exalted into species; but if it differs essentially in its leaves, its blossoms, and its fruit; and pertinaciously adheres to its primitive character like the English

Crab-tree, without any approach towards any other of the Old Craven Bull, Lord Althrop's two sho kind,—then we may be satisfied it is not a ruriety but horn cows, and the head of "Firby," as model an original species.

There is one journal in this country, which deserve

The triumphs of Horticulture are surely sufficient without straining after wonders, and traversing the regions of romance.

Cultivation of Dahlias -- Bone Dust.

I have been a cultivator of Dahlias for several years; but it has only been within the two past seasons that I have succeeded to my entire satisfaction. My usual mode of preparing the ground, was to dig holes of sufficient size, and then to fill upwith mould and rotted manure, properly mixed. Under this treatment a portion of the plants would flower early; and others, of a later habit, not until autumn. The early flowering ones were apt to become exhausted, and to produce a very scanty display in the fall; while the later varieties were seldom covered with a free bloom. On the whole, my success was indifferent.

For the two past season, however, my success has been complete. I had the ground prepared as formerly; and in addition to the manner, I made use of a small quantity of horn shavings or bone dust—about a pint or a quart to each hill—well incorporated with the soil and manner. The growth of the plants was most luxuriant from the time of sprouting. They attained a very great size without ever being watered, and were covered with a profusion of flowers from mid-summer until frost. There was also a corresponding development of the roots. Many of the branches, taken as they grew, would nearly fill a half bushel measure.

I have found the bone dust to be an excellent manner for all tuberous rooted plants. Nothing thet I have ever tried has produced me such crops of Irieh Potatoes. Tap-rooted vegetables ree also much improved by it,—as the beet, parsuip, salsify, carrot, &c. It is no less valuable for all the cabbage family, including turnips.

T. S. P.

Virginia, 3 mo. 20, 1841.

Portraits of Animals.

Few appear to be aware of the great importance of the most rigid exactness in delineating animals. The face of a human being, that the individual may be recognized, must be drawn with the nicest accuracy; a nose a little too short, or a mouth a little too twitching, spoils the whole. The man who cannot distinguish the pertrait of George Washington from that of Deidrich Knickerbocker, or Louis Phillippe from Jack Downing, pays but a poor compliment to the painter. But in some of our agricultural journals, individual animals are not only wretchedly represented, but it is sometimes even difficult to tell even to what race they belong. The portrait is the representative of the animal, in its absence; let it not therefore deceive. Skinner, of the American Furmer, very justly objects to a figure of a short horn cow in the Cultivator, with a body, he says, weighing about one thousand pounds. standing on four spermaceti candles! The owner of the cow has since published another picture, still werse than the fermer, intended for a cow, but the body certainly looks more like a tightly stuffed woolsack. We must also come in for our share of criticism-a fine cow appeared on our pages, with the legs very much as if squeezed into gun-cases; and even the figure of the cow "Jessamine," in our March number, though the general outline is very correct, by some fault between the draughtsman and engraver, has one fore-leg represented like a board tacked on to her shoulder with cen-penny nails. It is better not to attempt figures of animals unless they can be executed in the very best style for life and accuracy. Turn to Youatt's treatise on cettle, and take his representation

of the Old Craven Bull, Lord Aldtrop's two sho luon cows, and the head of "Firby," as model There is one journal in this country, which deserve especial commendation for its figures of animals—the Farmer's Cabinet. Many of them, it is true, are of pied from English books on cattle, but those draw by Woodside, of Philadelphia, who is first among the first of animal painters, are worthy of all praise. It deed we have not seen a badly drawn figure in the whole work, since in the hands of the present proprietors.

Cobble Stone Buildings.

The first cobble stone buildings that I remember to have seen were at Pittsford in Monroe county, nearly twenty years ago; and from the rude appearance of the work at that time, I have supposed the art was then in its infancy; but perhaps some gentleman of the neighborhood will furnish a sketch of its history.

About six years ago the first building of that description was erected in this quarier, one mile coat of Aurora; and is my opinion the walls are more becautiful than brick. The beauty of such structures lowever, will mainly depend on the size and color of the stone, though the color of the sand will have an influence.

If the stone and sand are both dark colored, the building will have a lurid aspect; for the proportion of line in the mortar (one-eighth or one-ninth) is too small to whiten it sufficiently; but if the sand be a hight gray, the contract of the colors with dark stone, will be pleasing.

Cobble stones of any size not exceeding six inches in diameter may be used; but for the regular courses on the outside those of two linches in diameter should be preferred. Small stones give the building a much rearer aspect. Two inch stones are very neat, though three inch stones will answer. The inside row of stones may be twice as large as those on the outside.

The mortar is composed of one bushel of fresh stone hime to eight or nine bushels of clean sharp sond. As the strength of the building depends on the goodness of the mortar, it is very important that send of the first quality should be obtained. Yellow sand, or any sand that contains clay should be rejected. Gray sand is sometimes found so pure as not to discolor the water into which it is thrown; and such should be procured if passible.

Mortar that has been made some weeka is generally preferred. Some masons are particular to reduce the lime to a thin paste, and then while it is hot to apply the sand.

The thickness of the wall is sixteen inches, though twelve inches will answer very well for the gable ends above the garret floor.

When the foundation, or cellar wall, is leveled and prepared, a layer of two (or two and a half) inch as of mutar is spiced over it; and the some are pressed into the mortar in two rows which mark the outside and the inside of the wall, leaving about an inch between each adjoining stone in the same row. If the wall is to be ground, the two rows are formed into two ridges by filling the vacancy between the stones with mortar, and the space between these two ridges (about a foot in width) is filled with such stones as are not wanted for the regu'ar courses. The grout is then applied. If the wall is not to be grouted however, the mortar should be carefully pressed round every stone, making the wall solid without thaw or increase.

Between every two adjoining courses on the outside some have the mertar to project as far out as that stones, in a regular line round the building. It is wrought to an edge with the trowel, and adds to the neatness as well as to the strength of the wall; for during this process the mortar is pressed round each stone; and the smoother it is made the stronger it will be, and the better will it resist disintegration.

It has generally been the practice to have the corners formed of cut stene; but in a two story building creeted last season within a few miles of us, this expense was avoided by rounding the corners and using cobble stone. The cut stene is not the only saving by this plant bowever, much of the mason's time in consumed in laying such co nor stones.

On the first mentioned building, the workmen were employed by the day. Four walls, amounting to one hundred and forty-six feet in length, were commonly raised eighteen inches every day by three mesons. This is a little short of ninety-nine cubic feet of wall, or six perches to each workman. Sometimes in damp weather they had to stop awhile for the morter to set.

^{*} Not the Crab apple of this country (Pyrus coronaria) which is entirely distinct from both.

building erected last season was contracted for perch at thirty-seven and a half cents; and half is sum additional, was allowed for the tender-alls, however, were grouted—thatis, all the insis between the stones were filled with liquid; and this substance must have more time to set, as reason not more than three courses a day can in dry weather; and not any when it is slow-

quires from ten to twelve bushels of sand to a obsades the busewhen made into mortar; and bestones lie in a heap when thrown from the wagnit as compactly as they do in the wall.

obble stone buildings are so cheap as wood, as those proprietors believes, they will be much trin the long run; and this will be evident when sider the frequent paintings which are necessa seep a frame house in decent repair.

Since writing the above, I have received amminications from persons who have had cobmes boutses tretted. One says, "the thickness wall is increasived from the outside of the stones, of timber, four by six mehes and two feet long, ed for setting the lines. These are Initi in the signst furnished, and the line is drawn through

ats just sixteen inches apart."

other says. "The cost of colbile is about onepless than brick; and probably one-quarter or
ird less than wood,—on the supposition that the
may be had within a mile, and sand within two
aff miles." It must be evident, however, that
beness of colbile, brick, wood and stone, must
considerably in different places, according to the
of those, materials and the distances they bave
suried.—Alb. Calitature.

articel.—Alb. Calitature.

diffield, Canyas a.o.

Scraps.

CONDENSED FROM EXCHANGE PAPERS.

Log Ox. A late number of the Farmers' Cabinations a good portrait of the ox "Pennsylvania," res between the Devon and Durham, eight years ledy shaughtered at Philadelphia, which weighted salive, 3,550 lbs., or more than a ton and a half. is as sold for the enormous sum of fifteen hundred lis. He was only 490 lbs. less than the weight of blebrated "Darkam ox" in England, the owner weh refused two thousand guineas for him; and ybout half a ton less than Danhill's great Yorkmax, which perhaps stands at the head of the list is kind of monsters.

ALITY OF FUEL. According to the experiments areas Bull, of Philadelphia, the following are the attes of different kinds of wood required to rooff an equal quantity of heat—all to he well need.

Hickory,	4 cords
White osk,	43 "
Hard maple,	62 "
Soft maple,	71-5"
Pitch pine,	91.71
White pine,	91-5.6
Anthracite coal,	4 tons.

Its in Horses. A dose of molasses, is said, on enthority of experiment, to be effectual.

tan Wonm. S. W. Jewett, of Middlehury, Vt. is, from some experiments he has made, that the worm may be successfully repelled from wheat, by making use of the peculiar and intolerably ented fluid emitted by the skunk, for that pur-

BUTH DOWN SHEEP. E. P. Prentice, near Albasells these for \$20 to \$50 each.

RAINING. Judge M'Call, of Allegany county, by mas of underdraining, raised last year a good crop pring wheat, at the rate of 25 bushels to the acre, are the year before the land produced little else the coarse water grasses. He constructs undernain soft ground by placing two pieces of plank ordge at the bottom of the ditch, securing their potent on edge by stakes driven inside, and covering a slab. Small notches are cut in the upper edge

of the plank for the admission of water. A more substantial way, and adapted to quicks ands, is to lay a slab in the bottom, scantling on each edge, and another slab at two

THE PHLOSUPHER'S STONE FOUND. McDuffee, in his late agricultural address, speaking of John Randolph, of Roanoke, says, "In the midst of once it is spleudid rhapsodies in the Senate of the United States, he passed, and fixing his eyeson the presiding officer, exclaimed, 'Mr. President, I have discovered the philosopher's stone. It consists in these four plan English monosyllables: Pay as you go."

Saw Dust, is converted into manure, by the Shakers of Canterbury, N. H., by using it as litter for stables. It has a very decided advantage over straw, in the case with which it mixes with the soil while the manure is yet unfermented.

Rohan Potato. II. D. Grove, in the Cultivator, gives the result of an experiment to test the relative productiveness of the Rohan and Merino potato. The soil was in fine condition, being similar in quality for each variety, but the Rohans received the most attention. The Merinos yielded at the rate of 550 bushels to the nere, and the Rohans only 263 bushels. We have observed in mently all necounts of the productiveness of the Rohans, statements of the rate of increase from the seed merely, and not the rate per nere.

WHITE CARROT. A line number of the New England Farmer, contains several statements of the value of this new variety. It grows partly above ground, somewhat similar to the mangel wartzel. In one experiment, the same number of men, that harvested in 1839, eighty-two busbels of the orange carrit, harvested in 1840, one hundred and eighty-four bushels of the white. Two prize crops, one of the yellow, and the other of the white, yielded 23 tons to the acre, of the former, and 38 tons to the acre, of the latter variety. Another crop of the white yielded 26 tons to the acre. Another, of 4 acres, yielded at the rate of 1300 bushels the acre.

Corn Husking Machine. The American Farmer contains a figure and description of Goldsbrough's Corn Husker and Sheller, and according to the statement of Robert Sincloir jr. & Co., the manufacturers, 700 bushels are busked and shelled by it in a day, or 1200 bushels are busked and shelled by it in a day, or 1200 bushels in the order for matress makers,) cobs, and corn, all pass out together. A boy will rake the husks and cobs from the corn as fast as discharged. The machine is on the principle of the common thrashing machine, with a spring coneave bed set with fluted rollers. The cost, separate from the borse power, is \$35. The manufacturers expressly guarantee them to perform serepresented.

Durham Cattle in Excland. The following prices were obtained for fine animals of this breed at the Earl of Carlisle's sale lest autumn. One at 110 guineas (about \$500:) two at 150 guineas (about \$700:) one at 320 guineas (about \$1500; and one at 415 guineas (over \$1910.) It was from the Earl of Carlisle's stock, the famous bull Rocer, formerly belonging to Thomas Weddle, was obtained, and from which most of the fine young animals of T. Weddle's stock in this country, originated.

Canada.

Messas. Editors.—Will not some of your Canadian subscribers give us a sketch of the rural productions of the country, its soil, climate, geology, &c. As we have no primitive rock except the erratic boulders, which have been awept over our country from the North, we incline to the belief that the geology of the North side of Lake Ontario must abound in primitive rock in-situ.

It is said that there are there vast swamps of red codar, (Inniperus Firginica:) that under the earth in these places for many feet in depth, are found large trunks of those trees, apparently of antideluxian growth, and perhaps of a much warmer climate than in the present day. On this side of the lake our codar swamps are filled with the white cedar only, an entirely different genus (Thoja occidentalis.) Our red cedar is confined to the East bank of the Cayuga and Seneca lakes.

S. W.

Feed of Durham Cows.

We observe that Skinner, Colman, and other men of high authority, consider Durham cattle not adopted to the short pastures of the atlantic states, but suited only to the rich lands and luxuriant feed of the west. If this is the case, we can mention one very decided exception. The full bred Durham cow, in the possession of W. R. Smith, figure in our March number, was kept through the last summer entirely on the shortest pasture that could be selected, yet during the whole time she contined so fat that fears of danger in calving were strongly entertained; the native breed, in the same pasture, continuing in greatly inferior condition. *

The Peach Werm, and the Borer.

While the peach-worm confines its operations to tho pulpy part of the bark, the borr cuts through the solid wood. Both insects are occasionally destructive; the former by girdling, prevents the descent of the juices or liquid wood, and destroys the tree by stranglation; while the latter by perforating many parts of the alburnum through which the sap ascends, cuts off the channels of its nourishment, and destroys the tree by starvation.

The peach-worm in this district is found chiefly, if not entirely, near the root of the peach tree. The borer, on the other hand, lives in the quince tree, the mountain ash, and not unfrequently, the apple tree. We have never known it attack the pear tree, nor any tree from which gum exudes.

Both of these insects spring from eggs which are generally deposited in the bark near the ground; but the peach-worm works chiefly downward, so as to have its habitation protected from the cold of winter by the soil, only coming occasionally to the surface to dispose of its fifth. The borer, on the contrary, penetrating into the interior of the wood, and keeping the entrunce of its hole entirely closed, so as to exclude the cold air,—often works upweard; and we have known it, when possing into the perfect state, to leave the tree at the height of more than two feet from the ground.

We should judge that the easiest way to destroy the peach-worm, is by scalding, as noticed in our last number by a correspondent from Ohio; but this remedy would be useless in most cases, against the borer, on account of his ascending progress, and his position in the interior of the tree. We have destroyed them in considerable numbers by means of a barbed wire, but the operation is often tedious from the crookedness of their holes. We have therefore for two years past, endeavored to exclude them from one of their favorite trees (a mountain ash) by coating the hark to the height of three feet with tar; and by rolling a newspaper round it, to protect it from the weather, tied in three or four places; and the plan has succeeded completely.

The borer is the chief cause of the searcity of quinces in this district. We have had more than thirty trees destroyed by it; but we do not deepair. The same process that protects the mountain ash, will protect the quince tree. Let the stems be single to the height of three or four feet; and only part of a day on the commencement of mild weather, would be required to guard a hundred in the manner that we have mentioned.

For the New Genesee Farmer.

Clover Machines -- Raising and Cleaning Clover Seed.

Messas. Eurrors-The attention of the public has been called at different times to the subject of Rittenhouse & Binckwell's Patent Clover Machine, for cleaning or hulling clover seed; and I will take the liberty of again calling their attention to this subject.

Living in a district where large quantities of clover seed are raised, and having been extensively engaged in purchasing and selling the seed, and also having been engaged in cleaning it with one of Rinenbouse & Blackwell's machines, propelled by water power, I have bad many opportunities for acquiring information upon the subject.

I am satisfied that Rittenhouse & Blackwell's clover machine is the best one now in use, as it can hull the seed faster and cleaner, and can be propelled by less power than any other; which must give it a preference where horse power is to be applied.

I have seen the certificate of a number of gentlemen with whom I am well acquainted, some of which (as I understand) have been forwarded to you for publication; and I can say, I have no doubt of the truth of the states ents made by them.

The power of two horses is necessary to propel a machine, and any horse power can be applied to this machine as well as to a thrushing machine or cotton gin, by regulating the size of the pulley block or band wheel, so as to give about 800 revolutions per minute to the cylinder. The concave is placed by means of nuts and screws, as near to the cylinder as it can be without cutting the seed, which of course must be regulated by the man who may use the machine.

The chaff should be thrashed out with the fluil, as a thrashing machine cuts up the straw too much, which mingles with the chaff, and renders the process of hulling much slower. Some persons use a hand bolt about 12 feet long, the reel of which is covered with thin boards bored full of holes five eighths of an inch in diameter, through which the chaff is passed before it is passed through the clover nuchine.

After the chaff has been hulled, it may be cleaned through any fanning mill, by arranging the mill as described in your September number for 1840, which perhaps it would be well to republish.

In the number above referred to, you make some inquries about the plan adopted for raising the seed, the best soil, &c.

In this vicinity the farmers usually sow their seed in April, the same as if designed for mendow. The second year it is cut for hay, about from the 25th of June to 1st of July. Another crop springs up which is for seed. This is cut when sufficiently ripe, and if not perfectly ripe it should be cut before any frost comes upon it. The farmer must exercise his own judgment as to the fit state of the seed for being cut. It should, if possible, be secured without getting wet, otherwise much seed will be lost in the hulling process. Where land is sown for the purpose of procuring a crop of seed, at least a bushel to five acres should be used. From two and a half to three bushels of seed is a fair average crop per zere. I have known seven bushels raised.

Almost any land is good for raising the seed, although some kinds of soil require a free use of plaster.

I would here observe, that farmers cut clover three years in succession for the seed. Yet it is better for the land that the clover should be ploughed under the third season. Yours respectfully,

N. P. LEE.

Waterloo, Scneca co., N. Y.

P. S .- After the seed has been passed once through t'to fanning mill, it should be passed through a fine riddle, with the meshes sufficiently small for clover goed alone to pass through.

Low and High Prices.

MESSRS. EDITORS-Much has been written of late upon the improved system of agriculture, upon Legslative aid, and upon nericultural societies, -all of which are subjects of high importance, enloulated to incrosse and multiply the real and substantial wealth of a country. The only difficulty in the improving sys tem and the rotation of crops, increased outlay on the farm, &c., is the low prices of produce. And yet, perhaps, for the last year, considering the crisis of our country, this has been for the nation's interest. But it is only a desperate state of affairs that can render such a depression of prices even tolerable. Until we have more to encourage us than we have at present, under the low prices of all produce, and a prospect of none better under a continued reduction of the tariff, but little improvement in agriculture can be expected, as there can be but little or no profit derived from it,

These ideas may be considered vague by some, but

they are nevertheless true; that when a business ofters a fair emolument it will receive the attention of enterprising men, and it will become a courted and popular occupation. Whereas, without this reward, it will be neglected. During the high prices of from 1836 to '40, more encouragement and more improvement was realized throughout our country, then in any number of years previous. Not but that prices were too high for our country's benefit during some part of that time; but the attention and progress in all parts, in farming during that period are sufficient to prove the truth of my remark. In regard to Legislative sid, it is needed not so much from our State Leg islature, as from our national. Nothing short of an increased tariff, to promote and foster the manutacturing interests, can ever place our farming interest in a prosperous and healthy condition. At present, we can only look for fair prices in the result of a short crop in Europe or our own country, which, at most, can be but accidental; and then our country may grow rich only on the misery of another. We must correct this state of things which we are now practieing, of boying of other countries millions and tens of millions of those articles which we can as well produce and manufacture ourselves, if we would be an nudependent and prosperous people. And there is no way to effect this object, unless we become so poor we cannot buy, but to lay on a duty on British and French goods corresponding to their duties on our produce. The objection now raised to the tariff, that it is at vamance with the interests of the cotton planters of the South, will, in my opinion, cease to exist in a few years after we adopt that system. We may soon so increase our manufacturing business as to create a home market for a great share of the cotton grown in our country. The idea of making all, producers, and relying on a foreign market, cannot be considered a wise policy, for a free trade with England can never be realized, whether it might prove beneficial to us or not. British agriculture will ever be protected-so ought American manufacturing to be. By driving all into the business of grain growing, we encourage so rapid a settlement of our rich wheat country to the West, not yet hardly begun, that in a few years we should be able to supply almost half of Europe with bread stuff, for which there can be no demand. By these remarks I intend to show in opposition to your able correspondent "S. W." that low prices of agricultural produce are not in general more beneficial to the nation's prosperity than high prices. A surplus will always cause a decline in price; but fair prices for produce and fair prices for labor, are blessings of prosperity; whereas, the reverse is a check to enterprise, and by no rule can be made beneficial to national wealth or prosperity. A SUBSCRIBER.

Sweden, N. Y., April 20, 1841.

The Flowers of Spring.

Though the season is backward, and the balmy de of the last month have been few, yet some brig flowers have come forth, exhaled their odors, and pr sed away.

The Snow drop, white like the snow that often i vests it, is always the earliest flower of the sprin and seems regardless of inclement weather. No riety, except that with double flowers, has sprung fre this plant; but another species from the Crimea h been described, though we believe not mentioned any American Catalogue, and perhaps it has not y crossed the Atlantic.

Next to this flower in earliness stands Eranthis he malis from Italy, with its yellow bloom searcely thre inches above the frozen soil. Its generic name men earth-flower from its humble stature.

Then the Crocus follows, consisting of several spt cies,-all nearly allied, though varying greatly in co or-pure white, deep yellow, and rich purple, with many intermediate tints. Some florists adverting more than a hundred kinds, but none with red flower The Crocus, unlike the Snow drop, opens its cup say looking upward to the sky, but closes it on the ap pronch of a dark cloud as if fearful that something would drop in. No garden should he without these ornaments.

The Bulbocodium may be considered a vernal Colchicum, to which genus it is nearly allied. Its pale to flowers contrast finely with the Crocus.

Differing entirely in form and color, comes forth the Persian Iris, as delicate in tints as in fragrance which "scents the garden round," There is one cir. cumstance however, respecting this flower, which muy be peculiara the olfactories of many persons are unable to detect its odors.

No shrub is so early in bloom as the Mezereon; but its fragrance and beauty are rejected by some florists because it bears acrid or poisonous berries. If we were to eat every thing that comes in our way howerer, our journey on earth would be short; and we have not been able to discover why other berries-those of the Nightshade for instance-are not entitled to as much consideration.

The Siberian Squill, resembling a hyacinth in mininture, seems to peep out as if half afinid of the sessen; but as the spring advances and a milder air surrounds it, it raises itself to the height of three or four inches. It has no rival at this time in the delicate form and color of its flowers

Primula veris spreads into numerous varieties under the names of Primrose, Polyanthus, and Cowslip (modern botanists to the contrary notwithstanding;) and seems to pass into all colors except blue. Some of these kinds almost equal the Auricula in beauty.

> For the New Genesee Farmer, " Bots and Horse Eecs."

MESSES. EDITORS-Since the appearance of your last number, the inquiry has been made, whether the nits or eggs of the bot-bee must be batched in the stomach of the horse or not at all. The reply is, that the bot has rarely, if ever, been found in any animal but the horse. This is its appropriate place for habitation and food, as the apple tree is for the cankerworm. In general, all such animals are endowed with the instinct which leads to the deposition of their eggs where they will obtain their appropriate nutriment. The wisdom of this general law is most obvious. The tick is found almost wholly on the sheep; and on the swine he would soon die, as was once remarked by a farmer of the louse in the same situation, of starvation. The hrve of the gad, or goadfly, finds its home and food on the back of cuttle. They fren abound, too, upon those which have inferior strength

datacss. Hence, in the spring of the year, they greatly to aid by their activity in the skin, in ing the poorest eattle still more unable to increase flesh. The more special care of the farmer s to be bestowed upon such parts of his herd. same is true also of the sheep; the poorer suffer in more from those insects which have been depoin their nose. It is from the consequences of fact, that some judicious farmers never intend to er an interior animal.

Thilo noticing such general and wonderful laws of mimal world, it may be well to explain a fact, sinir till understood. In summer and the bette-t of the day, sheep congregate beside fences and and the like, holding their tesds down and ben their fore legs, till suddenly they run in terror fright to another part of the field, where the same e is acted over. It is to avoid the insect that lays ggs in their nostrils, that all this is done. In the leggs in their nostrils, that all this is done. In the active, and doe- not annoy them.

n respect to bots as a disease, it is to be remarked other diseases are often mistaken for it. Hence es one reason why the remedy applied often fails the desired success. Sometimes other animals agvate the bots, and would prove fatal without the oth-I have seen worms from four to six inches long, eing the liver and some other intestines of a horse was sick with bots and died from one or both cau-

It would be well if more frequent and careful minutions of the body were made in such cases. provements in anatomical knowledge have been of highest consequence to the understanding and cure the diseases of man. Similar results might be expted from like examinations, to ascertain the scat cause of disease in the barse, the noblest and st useful of our domestic animals.

C. DEWEY.

The Curculio.

Yow is the time to attend to the Curculio; and to se your plums, nectarines, and apricots from desuztion. We believe the winter-residence of this inat has not been satisfactorily ascertained, though it is phably in the earth; but for practical purposes, it my be sufficient to know that it is always ready for biness as soon as there is any thing to do-always r dy to puncture the young fruit as soon as it is large eagh to receive a nit.

Several methods have been proposed or adopted, to r vent its depredations. Spreading sheets under the te, and knocking down the Curculio on them, by siking the trunk or branches with a mallet or hamr:r, bas been found very successful. The insect aft it has fallen, generally lies still long enough to be eight and erushed; and its dark color contrasting tiu the whiteness of the sheet, favore its detection. ris work should be done as early in the season as the predator can be found. In a few days it may do ich mischief, and it is no easier killed after the spass is committed.

Some have employed turpentine round the tree, and ts of shingles dangling in the wind to trighten the urculio away; but we are not prepared to say any ing in their favor. The most recent project that we we noticed is to dip strings in the drops that fall from idia rubber as it burns, and then to tie them round e tree, which it is supposed will be sufficiently viscid arrest the insect in its ascent. We should be gratified hear of any successful experiments of this kind; at though we have gone so far as to environ one tree the manner proposed, our hopes are not very san-

The most successful fixture to prevent the ascent

applied to some plum trees last season by our friend Thomas Lefever of the town of Venice. It consists of a circular trough made of tin, which was kept constantly supplied with water; and the narrow space between the trough and the tree stuffed with tow or something similar. The trees so treated bore good crops, while not a plum on the other trees escaped. A few of the plums however, were found to be wormy. occasioned perhaps by some of the insects remaining on the tree when the troughs were applied; and it would therefore be prudent to jar the trees at that time. About harvest the apparatus should be removed.

Tin troughs of that description are worth about eighteen pence; but the person who applies them, must understand the art of soldering.

From the Albany Cultivator.

The Sugar Reet.

Messas, GAYLORD & Treken-1 have noticed in the late numbers of the Cultivator, Dr. Guthrie's and Mr. Bement's attacks on the sugar beet, insinuating that it is an almost worthless root for the feeding of stock; and as the opinions of these gentlemen, with partial experiments, are directly at variance to those of the most eminent agriculturists of France and Germany, after an experience of more than thirty years, and to those also of many of our own countrymen, after trying it with satisfactory effect about five years; and as I had the honor of appearing in the last May number of the Cultivator, strongly recommending its production and teeding, I feel bound to make some comments on these communications, and reiterate my own experience in the feeding qualities, of what I consider as one of the most valuable of roots. I am perfectly satisfied by Dr. G's statement of the

analysis that he made of the beet, vol. viri. p. 40, that he was either grossly imposed upon, in the purchase of seed, and had grown the mangel wurtzel instead of the white Silesian, or that he had planted it in so rich a vegetab'e soil, as to produce so tank a growth as to almost destroy the saccharme matter that is usually found in it, especially when he adds, that "the bee's brought upon our table are totally destitute of sweet-Now I have not only my own taste for three years in succession, to prove that the sugar beets raised in and about Buffalo, are exceedingly sweet and nutritious, but can also bring a hundred witnesses at any time to corroborate the assertion, from their own The famous blood beet cannot comdaily eating. pare with the sweet, tender Silesian, and as for mangel wurtzel and other beets, they are almost tasteless after them; and they are never boiled in a pot by themselves, that there is not a sweet syrup at the bottom, almost of thickness and agrecable taste of sugarmolasses, which, in my opinion, only want to be clarified and graduated to make good sugar. So much for personal taste and experience; now for that of stock know that fed raw to cows, they considerably added to the quantity and especially the quality of the milk, making the butter as sweet, and almost as yellow as is produced on fresh summer's grass: they also keep them, with the addition of hay alone, in the best possible order; and the young stock fed on them, together with hay, were as fat and almost as fine and glossy in their coats, as when on the best of summer pasture I never tried them with horses, but should hardly think them hearty food enough for those at work. keeping sheep, of course I could not experiment with them; but others speak very flatteringly on this point, as may be seen from some communications that went the rounds the year past in most of the agricultural papers, copied, I think, from the Philadelphia Cabinet. Beets there were said to produce the best of mutton, and the finest of wool.

The most important use, however, that I have made of them, is with hogs. But as my breeds embrace only the China and Berkshire, it is in reference to these superior animals alone that I can speak; and here it seems that Dr. Guthrie's Berkshires did tolerably well, while his others almost starved. The first winter I kept my grown swine partly on beets and partly on potatoes, raw; the second winter almost exclusivey on raw beets, thrown to them on the ground. I did not notice any difference whatever in their appearance during these two seasons, but each time they were kept in as good flesh as ever I wish to have breeders, and they were by no means allowed to eat their fill of them either. The third winter, (the latt,) having erected a steaming apparatus, with a new piggery, I commenced cooking the feed for my hogs, and have this insect that has come to our knowledge, was requently s med beets alone and fed them to all treathing that man overcomes.—St. Avgustino.

ages, from the pig two months old, up to the grown To the last, I had to stint them animal of tour years. to a common water pail half full twice a day, or say rom eight to ten quarts, or they would get too fat lor breeding; and as to the former, with the addition of a trilling quantity of corn, I never saw animals thrive better, or more contented in my life. They would fill their bellies and he down in their straw, and doso away for hours together as contented as puppies and as whist as mice; and this stock thus treated, I am not situal to show, either for general size or fineness of point, against any thing in the United States, saweight, these last being somewhat of a larger class than usa I among Berkshires. During this same winter I steamed a mixture of carrots and potators with the beets occasionally; but in technic I found that as a general rule, the pigs would pick out the beets list, the potrious second, and only est the carrots when hungry at last; but if any one were to ask which I thought the most nutritious, I should say the pointo without doubt. My accommodations are too limited, however, to make the careful experiment as to the relative value of roots, bushel for bushel, and again in comparison with grain, as requested by Mr. Caton, of Illinois, but I trust that the above will be satisfactory to him and to others, so far as it goes, for it is experience and not theory. I must say that I do not like this jumping at conclusions from partial experiments. I recollect reading an address, some two years ago, by some one in Pennsylvania, before an agricultural society, in which the writer maintained-and be seeined to be an intelligent, scientific man—that ruta baga, by analysis, was but little else than wood, and therefore as a food for man and beast, it was almost totally worthless. Indeed! And yet this same despised root, together with a little straw, makes most of the English beef and matten, and in some instances at times one-fourth supports its laboring population. Apropos to this: I recollect once telling an intelligent neighbor that I cultivated pumpkins a good deal, and liked them much as food for swine. "Well," he replied, "they never did any thing for my hogs but scour them." The fact was, he had an inferior breed of animals. Again, I shat up some Berkshire sows that were quite poor, about three weeks to put them in condition; they were allowed nothing but pumpkins during this time, and were then turned out, having got really, in that short time, almost toe fat for good breeding. An intelligent gentleman who had seen them previous to their being shut up, and then again when they were let out, acknowledged that nothing but seeing the thing with his own eyes would have convinced him of the truth of it, and wound up by adding, (I do not give the words exactly, but the ideas,) " why, instead of fatting them, the urine that would have come from common hogs thus fed, would have made them skeleton poor by this time. I am no chemist, and therefore humbly ask what would be the analysis of clover? Not much, I fancy, but water. And yet Berkshires, and in fact, all good crosses of the China hog, will keep fat upon it in summer and grow well; and I will conclude this long letter on sugar bects by saying, that if their stock dees not thrive upon them, why then gentlemen have been deceived in their seed, or they have not got the right sort of animal to consume their roots.

Youra, A. B. ALLEN.

A Crop of Corn.

I give below an account of a crop of corn raised last year. The lot contained four acres, of a rich gravelly soil. It was well manured from the barn-yard, and then these rows were intersected with rows of manue from the hog-yard. It was ploughed of sufficient depth, well harrowed, and planted about the fifth of May. The corn was a bright cight-rowed yellow variety; the rows three feet by three and a half, five grains to a hill. When sufficiently high, it was dressed with a mixture of one part by measure of plaster and three of ashes, a table spoonful to each hill. After weeding, it received another similar dressing.

The product was seven bundled and fifty bushels of good sound corn in the ear, twelve loads of pumpkins, sixteen of stalks, and the nett profit of the field was A. G. S. ninety dollars.

Springhill, Cayuga co., April 12. 1841.

Pride is the first thing that overcomes man, and the

" Washingtons Letters on Agriculture,"

Mr. D. Hoyt, Bookseller of this city, has placed on our table a very interesting and curious volume; being Fac-Similies of Letters from George Washington, President of the United States, to Sir John Smelair, on Agriculture, and other topics. This is an American Edition, copied from the English, which was published in London some years ago, by Sir John Sinclair, from whose advertisement we extract the following remarks :-

"It could not but be highly gratifying to me, to be possessed of so many interesting communications from such a distinguished character as the President of the United States; and it was natural to suppose, that the public, but more especially those individuals who revered his memory, would wish to have in their possession copies of a correspondence which displayed to such advantage the superior talents, the generous views, and the unbounded philanthropy of that celebrated statesman.

"The peculiar predilection which General Washington has so strongly and so frequently expressed, in the subsequent letter, for agricultural improvement, which he preferred to every other pursuit is another circumstance which I was anxious should be recorded for the benefit both of the present and of future times, from a desire that it may make a due impression upon the minds of those who might otherwise be induced to dedicate themselves entirely, either to the phantoms of military fame, or the tortures of political ambition.

"As it is a singular circumstance that a person in such an exalted situation as General Washington, should have leisure to write, with his own hand, so many letters to an entire stranger, and some of them of considerable length, I have been induced to have them engraved in order to represent the handwriting of their celebrated author: they are exact copies of those received by me. It is proposed to deposit the originals in the British Museum, as the precious relies of a great man, fit to be preserved in that valuable repository.

Some Remarks on the Value of Live Stockwith relation to the Weight of Offal.

BY THE HON. ADAM PERGUSSON, OF WOODINGLE, CANADA.

Messes. Editors-In the improvement of live stock in this country, the views of breeders have been long directed to the selection of animals of good shape and a "a kindly handling;" and attention to the establishing of new breeds, or to the improving of old ones, has always been appreciated by the public, as reflecting credit upon the enterprise of the individuals, and as conducing to the prosperity of the country. A judicious improvement in live stock is not limited in its effects to that object alone. It never fails, at the same time, to improve the agriculture of the country around; the land being necessarily drained, enclosed, and cultivated, in a manner adequate to raise the superior kind and quality of the produce now required. Such being the beneficial consequences of an improvement of live stock, no suggestion ought to be disregarded which may lead to that important end.

It may be laid down as a maxim, that those breeds, or varieties, are best, which will pay most, all things considered, in the shortest period, or which will produce the greatest weight of marketulle produce from any given extent of land, and within any given period. And, in like manner, it may be stated, that the animal of any given breed, which, in relation to its live weight, will bring to the butcher's stall the greatest quantity of good meat and tallow, is the animal of the greatest value. Now there is some reason to suspect, that a question having relation to this latter point has been of late too much overlooked, arising from carelesness on the part of the farmer, with some professional mystery, perhaps, on the part of the butcher. The question here referred to, is that of the live and dead weight; and the ratio which one bears to the other in properly fed animals. It is true, that various ta-

have been constructed with the view of assisting the farmer in the disposal of his stock; and such tables are no doubt to a certain extent convenient and useful. A difficulty, however, has generally presented itself in bringing their accuracy to such a direct and palpublic test, as to be sufficient to silence a keen and depreciating purchaser, and compel him to admit that the seller does not overrate the weight of the animal. It would seem that attention, at once more extended and minute, must yet be bestowed before the relative live and dead weight of stock can be ascertained, in a manner equally satisfactory to the buyer and the seller.

The particular error into which it is conceived many have fallen, lies in estimating the dead at only one half the lire weight. It is sufficiently apparent that should the former, in any material degree, exceed this proportion, a very serious loss may be incurred by the seller, who founds his calculation upon that datum; and from some authentic returns, to be just submitted to the reader, it will be seen that an inference to this effect may be reasonably drawn.

In the extensive farming concerns of the late Mr. Curwen, at the Schoose, County of Cumberland, England,-a mode of estimating dead weight was adopted, somewhat singular in its nature, and said to be remarkably correct in its results. Glover, the stock bailiff, a very intelligent man, made use of what he called his "magical number," " 556," by which, upon receiving the live weight, be professed to give the dead weight, sinking offal, of any fat animal submitted to his test. The writer need scarcely observe, that there is nothing really "magical" in the number 556, or in the manner of obtaining it. If an ox were to weigh 50 stones when alive, and the dead weight were found to be 25 stones, the ratio of dead to live weight would be represented by the fraction 25 to 50 which, converted to decimals, would give 5, and this, multiplied by the live weight, would give the dead weight. But if Mr. Glover, by a series of more correet observations, found that upon an average of oxen the live weight was 50 stones, and the dead weight 27 stones 11 2-10 lbs., the proportion of dead to live weight would be represented by 27 stones 11 2-10 lbs. to 50, which converted to decimals, would give .556; which again multiplied by the live weight would give the dead weight. In one instance, (verified by the writer,) Glover's calculation certainly approached very nearly to the truth, and gave a greater return than competent judges were disposed to allow, from handling the animal alive. The subject of experiment was an Ayrshire heifer, 18 months old, which Mr. Curwen slaughtered at one of his great general meetings, as a sample of his favorite system of soiling. This animal had never been a day out of a calf pen or straw yard, from her birth, had never tasted oil cake or grain, and was undoubtedly a very forward animal of her age. Her live weight was correctly ascertained to be 55 stone, of 14 lbs. to the stone, which being applied as a multiplier to the fumous number, and cutting off the three figures to the right, gave the following product: 556 × 55 = 30,-530, that is, holding the three right hand figures as decimals, about 303 stones. The weight of this heifer. by measurement, in Ainslies tables, was pretty nearly the same. The actual result gave 30 stones of meat, and 2 stones of loose fat, fine marbled beef; but by no means prime fat. In this animal, then, which had certainly not attained a state of perfection, we have a return considerably exceeding one half of the live weight.

Mr. Rennie of Phantassie, (probably the greatest practical agriculturist in Scotland, of his day,) and Mr. Curwen, with their respective adherents, differed in their estimation of the live and dead weight upmore than one half of the live weight to be recke upon, except in cases of extraordinary fat, to wl certainly the beifer in question had no pretensit and in whose case, notwithstanding the proportion Mr. Rennie, were considerably below the mark.

The following details will still further illustrate subject, and may tend to excite more than a dor whether one-half be not too small a proportion to assumed in estimating, the live and dead weight

Tables of Sheep and Cattle slaughtered in varia years, with the amount of live and dead weigh stone of 14 lbs.

Avernoe.	Total, 106	ದೆಂ	Cheviot ewe. 4 years old.	Cheviot wedder, 3 years old, 8	Cheviot sheep, 5 years old, 11 black faced wheep, 5 years old, 11 black faced wedder, 4 years old, 15	Leicester sheep, 9 years old, 13	<u>L</u> ii
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5 5	64 7.9	::::::::::::::::::::::::::::::::::::::	3 - 5	-74 c	50 0C =	Sts. lbs. 9 7.4	Live W't Dead Wt. Tallow.
_ [9 7.9	C C :				8/8	Ta

According to the average on the above table, Mr. Glover's rule would give 5 stone 5 lbs. as the dead weight; but the true multiplier would be 605, instead of 556, according to Mr. Glover's practice; or nstead of 500 according to the common practice.

Stor. 120 0.4.4 90 1.1 14 0.5.4 15 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	herdoonshiroov			Tata Sts.	Hide.
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	Aberdeenshire Stot, do do Total.	- 1 5.5.	15 15 4 15 4		ະ ຄ.ນາ
Average, 10 2.7 06 87 11 12.9 6 0.4	Total, Average,	- -	- 1		n t

The above table gives the same result to a fraction as the last, and this curious coincidence is deserving of bles, founded on the determination of this question, on general principles. Mr. Rennie would not allow I notice, as occurring in the case of animals so entirely

nct in their form and character, as sheep and oxen of the formation, and their position shed some light on

he general conclusion to be drawn from these reas would seem to be, that the practice of estimating idead weight at one haif the live weight, is erronc-I t would by no means, however, be sufe to draw

It would by no means, however, be sufe to draw ecific conclusion as to the actual proportion of live lead weight from the tables now given, on account the limited number of the returns made. It is onby means of a great number of such experiments It we can hope to obtain a just medium, and found on it a safe conclusion. Could farmers be induced give more attention to this subject, by keeping acrate records of stock slaughtered by them and their ends, much might speedily be done to settle the estion of the live and the dead weight, while there good reason to believe that many respectable butchwould concur in preserving and communicating nilar details. A further purpose might be promod by constructing such tables. We should, by means them, be able to discover the breeds or varieties of ir different species of stock which wield the greatest turn in proportion to the offul, and thus perhaps be nabled to draw conclusions as to the relative value of fferent breeds.

It has been before observed that the question of the atio of live to dead weight serms to have been a good eal overlooked of recent years. At one period, the tuention of individuals, admirably fitted for the investigation, appears to have been awakened to the imporance of the inquiry. In the able report of the country of Durham, some interesting details on the subject me given; but these can senreely be said to do more than open up the subject; and certainly a great blank remains to be filled up before the farmer and the professional butcher shall be placed on equal terms as regards their information upon this point.

Should these cursory remarks tend to direct the attention of breeders and graziers to this interesting aubject of inquiry, the object of the writer will have been fully accomplished.

Geology of Pennsylvania.

In the "Third Annual Report on the Geological Survey" of that State, (1839.) Professor Rogers in describing his "MIDDLE SECONDATY RED SANDSTONE FORMATION," makes the following remarks:

"It seems to have originated in a long narrow trough or bay which had its source at least as far so ith as the central latitudes of Virginia, and which probably opened into the ocean somewhere near the present positions of the Raritan and New York bays. materials give evidence of having been swept into this estuary or great river from the south and south east; and hence the almost universal dip or inclination of the beds towards the northwest, a feature clearly not produced by any uplifting agency, but assumed originally at the time of their deposition in consequence of the direction or set of the currents, which laid them down layer after layer. With the exception of one or two fossil fishes found in this formation in New Jersey, I am not aware that any animal organic remains have been hitherto met with in any part of the stratum; and hence it becomes difficult to assign its precise place in the general series of geological formations. Relics of vegetation are however, occasionally found under the form, especially of highly compact and bit-uminous lignite."

It is possible the strata wero formed in the manner he has mentioned; and that no "uplifted agency" has given their present dip; but we think such a conclusion ought to be lounded on something more than cursory observation. It seems to us very inprobable. We have not learned however, whether this able geologist has relinquished, or still retains that singular opinion; for it has not been in our power to procure either of his later Reports; but if he should examine the locality which we shall proceed to designate, it is probable those fossils would indicate the sge

New England.

the manner in which they were deposited.

About half a mile northeast of Phornaville in Chester county, on the opposite side of the river Schuylid, on a high hill, we saw OYSTER SHELLS inbedded in the solid rock which had been laid bare by a torrent. It was shown to us in the fall of the year 1806; and as we had not found any fossil shells below the Blue Mountains before that time, we viewed it as a great curosity.

For the New Genesce Farmer. Letter from Wisconsin.

Messes Eutrors—Perceiving that you have no correspondent from this territory, I take the liberty offiling that station, and will, whenever time shall permit, give an account of matters and things as they exist in this "Badger" territory of ours—premising, however, that I leave it to your readers whether my communications are interesting or not. Many of them have friends and relatives in this territory, and it may prove of interest to them to hear occasionally from this quarter.

Much has been written and said in respect to Wisconsin, its fertility, its universal wealth, and its natural advantages; but much remains to be told in relation to the system of farming that has been adopted in some parts of the territory; although there is much to be urged in extenuation, as the country is new, and most of the settlers are men of limited character; but still there are many among us, who, if they would take the trouble to look a little into the future, and loose their purse strings, could confer a benefit upon the territory, and upon themselves and their posterity. The introduction of improved farm implements and machinery, such as the thrashing machine, the straw cutter, the horse rake, the cultivator, and the hundred other useful implements to be found in the agricultural repositories of the cast, would be of immense utility on our fine rolling prairies, where there are no stumps nor stones to obstruct their operation,

Many of the settlers are men who have not been bred farmers, but who have left the workshop to try their hands at the plough, and some of them are rather "green" at the business, among which I class myself. But I find one trait among them which is not found so generally among the old class of farmers. They are more of a reading people. Degrived of the advantage of experience, they are obliged to depend upon the knowledge of others, and are therefore more willing to lend their support to the agricultural journals of the day, than are those who have imbibed their knowledge and their prejudices from a daily experience in agricultural pursuits.

Although at this time the natural fertility of the soil of Wisconsin supersedes the use of manures, the time will come, if the castern skinning system is followed, when it will require all the renovating powers of a proper rotation and application of the various fertilizing substances, to render an equivalent to the farmer for his labor.

Wheat is destined to be the great staple of this territory, and many are pursuing the same system that was adopted in the Genesce country, that of growing wheat to the exclusion of any other crop, on the same land.

Cern ripens well in this country, but it will never, probably, be grown to the extent that it is in Indians and other states to the south of us; but enough, however, to supply the community, as the "badgers" are not such "corn crackers" as their neighbors in the hoosier state and in Kentucky, whose national dish is "corn dodgers and hoe cake." Every variety of soil may be found in this territory, and any thing may be grown here that will thrive in New York or New England.

With an extent of territory larger than any state in the Union, and possessing, as she does, immensa treasures in her lead and copper and iron ores, Wisconsin presents at the present time an object worthy the attention of every well wisher of this country. Still reposing in her minority as a territory, she holds out to the patriot and the moralist the hope that her constitution and laws, will receive the benefits of the experience and legislation of the older states of the confederacy, and that by their misfortunes and miscalculations, she will steer clear of the rocks and quicksands on which many of them have been nearly wrecked. Taken as a whole, I do not believe there can be found a more moral class of people in the United States than in this territory. They are composed, to be sure, of almost every nation; for hera you will find the Dutchman, the Norwegian, the Englishman, the Russian, the Prussian, the Frenchman, the Scotchman, and the sons of "Green Erin," all congregated in one community and amenable to the same laws, although they retain their national habits. It is amusing to see some of the Norwegians and Dutch open a farm in the thick forest. They make thorough work of it. In clearing, they commence at the root of a tree and dig round it so that it falls, either by its own might or by the wind. They then log it and burn it before they proceed further. By this means they get a clear field, unobstructed by stumps and logs, as you will find is not usually the case with the Yankee or English farmer,

Wisconsin at this time holds out great inducements to breeders of stock, especially as her benatiful prairies afford the best of pasture, and there are many thousand acres yet unentered, that would far surpass in worth many of the meadows of the castern states, for the pasturage of cattle. Nearly all the neat stock now in the territory, is from Illinion and Indiana, and consist of all bloods, colors, shapes, and sizes; and you may see here also the famous breed of hogs which friend Robinson, of Lake C. H., took such a faney to as to think he could fat them. They are the real land pike and alligator breed, snout and all. An improvement ia beginning to be made in this race of quadrupeds and you may see the Chinese and Berkshire blood running in the veins of many of our grunting inhabitants. There are a few full bloods in this neighborhood, and their progeny are being distributed through the country, and will result much to the benefit of the There have been a few importations of blooded cattle into the territory. Jupiter, imported by Mr. Geo. Reed of Milwaukce, is a fine full blooded Short Horn Durham Bull, eight years old; and another, belonging to Judge Doty of Green Bay, have been productive of great benefit to this section of country; and half bloods, and other grade animals may be often met with.

met with.

But I have written more than I intended at first,
and shall conclude, and take another opportunity,
when I am "in the veni" of giving you a second
communication.

Yours, &c.

E. B. QUINER.

Milwaukee, W. T., March, 1841.

Michigan Coal.—A load of coal passed through this village a few days since, on its way to Detroit, from the village of Corunna, in Shiawsese county. The gentleman who owned it, left a small specimen with us. It has the appearance of the coal found at Pittsburgh, Pa, and burns as freely, emitting the same smell. The gentleman informs us that, from present appearances, the supply is inexhaustible, and is found within three feet of the surface — If it is as represented by our informant, which we do not doubt, it will be a source of much wealth to the State at large, and add Immensely to the business of the place at which it is found.—Pontiae Jacksonian.

Wilheforce, who had a great taste for horticulture, considered flowers to be the smiles of the Divine goodness.



ROCHESTER, MAY, 1811.

Monroe Co. Agricultural Society Meeting.

A meeting of the Monroe County Agricultural Society will be held according to previous notice, on Wednesday the 5th instant, at 10 o'clock, A. M., in the long room, 3d story, Areade Building.

It is particularly desired that all who feel an interest in the objects of the Society will be present, as very important business is to be transacted.

Legislative Aid.

The bill for the encouragement of Agricultural Societies, has passed the Assembly and to a third reading in the Senate. It will doubtless become a law before many of our readers receive this paper. (We stop the press to announce its final passage.)

Corrections.—The bill appropriates \$5,000 per annum—not \$7,000 as stated last month. We also stated that the report was made to the Assembly before the petitions from Western New York were recived. We should have said before many of them were received.

We will, next month, publish an abstract of this bill, and also the one for the encouragement of Silk Culture, if passed.

Organize the Societies!

As the law for the encouragement of agriculture has passed, every County in the State should organize a Society, and adopt efficient measures to carry out the purposes of the appropriation. We hope at least to hear that all the Counties in the Western pert of the State have done so, and it will give us pleasure to receive a list of the officers of each Society for publication.

Horticultural Meeting.

An adjourned meeting of the friends of Horticulture will be held on Thursday next, May 6th, at 2 o'clock, P. M., in the Lecture Room of the Young Men's Association, for the purpose of organizing a Horticultural Society.

The committee appointed to prepare a constitution will lay their report before the meeting. As most people at this season feel interested more or less in gardening, it is to be expected there will be a numerous attendance.

The Senson and the Crops.

The severe frosts of last month have done considerble injury to the late sown wheat in this vicinity, especially on light soils, which heave by frost. Some pieces we have seen, are entirely destroyed.

We observe accounts from nearly all parts of the country respecting the backwardness of the season, and the scarcity of feed for cattle. One would think a few such lessons would convince every farmer of the necessity and advantage of taising more root crops.

A paper from Oneida Co., states, that "scldom has so cold a spring been known, even in this part of the country, so near as we are to the region of perpetual snows. The winter has been so long and severe, that the farmers in the north part of this country have fed out all their hay, and most of the coarse grains and forage are exceedingly scarce. In some parts, cattle are dying for the want of food, and some farmers are selling their cattle at anction, waving found it impossi.

Care for Bog Spaunta-young hours of Sapanta-soung hours and selected with or 3 month's duration, apple and effectual remedy.

The inquirers respondence are exceedingly scarce. In some parts, cattle out articles on these subjects which, if not already possible for the want of food, and some farmers are selling their cattle at anction, waving found it impossi.

ble to furnish the mecessary keeping, both on account of its searcity, and for the want of means to purchase at the present high price of hay. The prospect still is far from affording any encouragement that vegetation will relieve their sufferings. On the hills north, the enow is yet very deep over the entire surface of the country."

The Troy Whig of the 24th April, says, " we learn by a gentleman from Plattsburgh, that loaded teams crossed Lake Champloin at that place on the ice, on Friday last.

"There are three feet of snow only ten miles west of the Lake. The farmers are nearly all out of hay, and their eattle in a starying condition."

INQUIRIES. Larvæ or Grubs in Cattle.

Messas. Entrors—Will some of your correspondents please give the public the benefit of their observations concerning grabs in the back and sides of cattle? They seem mostly to be found in these animals while low in flesh, in winter and spring, and to vary greatly, both in number and frequency, in different seasons. It is presumable that they are the larvee of some insect; yet in the absence of proof this must be mere presumption. From our own small experience, we know them to create great annoyance and irritation, fever and emaciation, to cattle, if nothing more.

It is desirable that something be known in regard to their origin and character in natural bistory, the means of prevention, and what is of still more importance, the means of best obviating the evils resulting from them to our stock.

JAMES H. C. MILLER. Jackson co. O., Feb. 17, 1841.

(0. 11, 104)

Poultry.

Messes. Entrops—I wish to ask through your valuable paper, the following questions, hoping that some of your correspondents will reply to them.

Ist. Will bens lay as well when confined as other-

2d. Will they lay as well without the male?

3d. What kind of fowl will lay best?

4th. Will hens pay better in eggs than in rearing

5th. What quantity of feed for a given number, and what kind is best to make them lay?

6th. Is there any work written on this subject, and what is it?—the best, I mean. S. H. CLARK, Mattituck, N. V. April, 1841.

Culture of Hemp.—A correspondent in Canada asks for information respecting the culture and preparation of hemp.

Culture of Tobacco - Another asks the same respecting tobacco, in this climate.

Wild Rice.—Mr. P. Hunt of Milford, Mass., has obtained and sown some wild rice, and he requests some reader of the Farmer in Canada or elsewhere, to give information respecting the growth and use of this orain.

Beet Sugar.—If any of our readers made any experiments in the manufacture of sugar from beets the past season, they will oblige us by giving an account of the result.

Will the Managers of the White Pigeon Beet Sugar Co., inform us whether they made any further experiments, and with what results?—Ens.

Cure for Bog Spavin.—A correspondent has a fine young horse affected with bog (or wind) spavin of 2 or 3 month's duration, and asks what is the most simple and effectual remedy.

The inquirers respecting Silk and SilkWorms, and Flowers and Shrubs, are referred to the numerous articles on these subjects in our last year's volume, which, if net already possessed, can be obtained for 50 cts.

Bounty on Silk,—W. B. B. is informed that it State of New York has not yet passed any law to give a bounty on silk. We only stated that a bill was reported to the Assembly for the nurnose.

Extracts from Correspondence.

"A. G. S." of Cayuga co. made, in the spring of 1839, five hundred and thirty pounds of maple sugar from one hundred and twenty-five trees; and in 1840, from one tree, thirteen pounds of sugar, and sever pounds ten ounces of molasses. He accidedly prefers, instead of making sugar into cakes, to boil it until in will grain—so that the impurities will settle to the bottom of the vessel, and the molasses remaining gently poured off.

"A Moreer county Farmer," (Pa.) says, "My crops for five years have been as follows:—Whent, 15 to 27 bushels per acre: corn from 40 to 60; oats from 40 to 50; potatoes generally 400 per acre. Our kinds are the Mississippi or Merinos, which will yield 500 bushels per acre, and the N. slaanocks, not Meshanocks, as this is the county where these potatoes were that taised by James Gilkey, on Neshanock creek."

Culture of Asparagus.

This wholesome and delicious vegetable ought to be cultivated by every family that possesses a few yards of ground. It is a dish that nearly all persons are fond of, and it supplies the table during the most destitute season of the year. A good bed will last fifteen or twenty years, and will bear cutting some twenty times in a season. It occupies but little space, and the trouble and expense of culture is much less than is generally supposed. A bed, five feet by twenty, will contain one hundred roots, and is large enough for a moderate sixed family. If good two-years old roots are used, they will bear some cutting the next year after planting.

The following directions will enable any intelligent laborer to form and plant the bed :--

If there is any choice, select a warm location, where the soil is deep and rich, neither wet nor dry; mark out the boundaries of the bed, and dig out the earth to the depth of eighteen inches. (If the location is rather wet, and the bottom hard, dig six inches deeper, and put in six inches of oyster shells or loose stones.) If the top soil is good, lay it on one side, but wheel the poor earth away. Then take well rotted manure and mix it with an equal portion of good earth, and fill up the bed even with the surface; then rake it smooth and place the roets on the top of the ground, twelve inches apart; spread the fibres and fix them in their natural position with the hand; then cover the whole with three or four inches of the mixed compost, smooth it off neatly, and the work is finished.

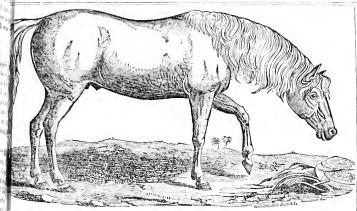
Water the bed after planting, if dry weather succeeds, and keep it clear of weeds during summer, Before setting in of winter, cut off the stalks, and give nn annual dressing of two or three inches of manure. The roughest of this should be raked off in the spring, and the surface of the bed loosened with a manure fork.

Fine two-years old roots are for sale at the Seed Store. Price \$1,50 per 100.

Rhubarb, or Pie-Plant.

This is another of the carliest luxuries of the season, and deserves more general cultivation. It is of the ensicst possible culture. Plant the roots about three feet apart, in deep rich soil, well manured. A warm border on the south side of a fence, is the hest place.

The Early Red variety grows the quickest, and in using requires the least sugar. One dozen roots is sufficient for a family. They are for sale at the Seed Store. Price, 50 cts. per doz.



THE ARABIAN HORSE.

From Low's grand work, " Illustrations of the breeds of Domestic Animals."

(COPIED FROM FARMERS' CABINET.)

The exquisitely beautiful animal, here most faithfully represented, exhibits correctly the form and characof the genuine Arab. He was taken in an assault by an Arab tribe, on a party of the royal family of The chief who hended the attacking party was killed, and bis susia, when journeying on a pilgrimage. be Charger, galloping into the Persan ranks, was taken: a ranksom, continuous for so poor a tribe, was subsently offered by the Arabs, but was refused, and he was brought to England by Sir John McNeil. He nds fourteen hands and a balf high, is g nde in the highest degree, and so thoroughly trained in that kind of reise which the Arabians are careful to teach their horses, that he may be galloped round the narrowest cle. When his portrait was in the course of being painted, be was languid from the effects of cold; it was hed to rouse him from his lethargy, and the iden occurred of trying the effects of n few tones of simple sic—the sounds no sooner reached his ear than his whole frame instantly became agitated to a violent dee; his heart throbbed convulsively, and so great was his excitement that it was found necessary instantly stop the music! some chord of feeling, it would seem, had been struck—perhaps he was reminded of his det home, and his friends and companions, from whom he had been so rudely severed. The generous animal here depicted as scenting the garments and wenpons of his slaughtered master, and no one can examine the eamients of his expressive countenance, without experiencing a gueb of feeling arising within his breast, in apathy with the beautiful mourner.

The gentleness of the Arabian lorse is proverbial; and although so elegandy formed, and so delicately to and sleek his skin, even the English horse would perish under the scanty fare, the toils and privations be doomed to suffer. They are patient of hunger and thirst, to a degree unknown in any other race, subsisting, entimes, on the withered herbs of the desert, and roots diagged from under the sand, and even on the milk the camel. They bear continued exposure to the fiercest beats, and day after day pursue marches of incrediction of the desert, and they are the property of the first part of the pursue of the property of the prop

d toil of the Eurning desert.

From the Mag. of Horticulture.

Cultivation of the Filbert.

The filbert is one of the finest nuts, and although reat quantities of the fruit are imported, and sold in fruit shops annually, there are searcely any, as yet, thivated in the United States. A sterile variety of a English filbert may be seen in many of our garens, which rarely produces any fruit; but the finer trs, which thrive luxuriantly, and bear most abunantly in this climate, are scarcely known in cultivation. Nothing can well be easier than the cultivation. Nothing can well be easier than the cultivation of this shrub or tree, and we are confident that were a merits of the hetter varieties generally known, no arden would be considered complete without them. I see years since, we imported small plants of the most celebrated English varieties, and have, without he least attention to pruning, realized quite an abundant crop of fine nuts. for two years past, which are pute an acceptable addition to the dessert.

Among the finest of these varieties are the Frizzled, the red Kernel, the Northampton Problic, the Cohnut, and the Cosford. We have found the Cosford, Frizzled, and the Northampton Problic, the most productive varieties in this climate. All the varieties grow very vigorously in any good soil, naturally day rather than moist, but a dry gravelly lonn, or sandy loam, is considered preferable. In pruning and training filberts, the first most important requisite is to keep the main stem free from all suckers; and the second, to prevent too great a luxurance of wood, which, if suffered to grow at random, will prevent the production of large crops. The muts are produced, both upon the

sides of the young wood, and upon lateral spurs, annually produced on the older branches, after the previous year's bearings lateral shoots have been trimmed away. Abroad, therefore, what is called the spurring in system of pruning is adopted, and the externities of the leading shoots are shortened every spring. This throws nearly all the vigor of the tree into the bearing branches, and produces a larger crop of fruit annually.

In some parts of England, large plantations of filberts are unde, for profit. Kent is the most celebrated nut growing district, and the average crop there is about eight hundred weight per acre, although, in good soils and favorable seasons, thirty hundred weight have been raised on an acre of ground. The bushes are generally trained with single stems, and the heads pruned in the form of a hoop, kept about six feet high from the ground.

There does not appear to be the least obstacle to the profitable cultivation of the filtert on n large seale, in this country, and our day fine summers would probably be found more favorable to the productions of large crops, than the moist ones of England. A return of fruit is speedily received after planning on good soils, and we would, with confidence, recommend a trial of a filter torchard, to enterprising cultivators.

In gardens, a row of the finer sort of this fault may be advantageously introduced, as a screen or harrier, in portions where such a feature is desimble, as the folinge is large and dense, and thus the double advantage of fruit, and privacy or protection will be realized.

A. J. DOWNING.

Newburgh, N. Y.

THE LATE PRESIDENT.

Our renders will pardon the liberty we take in devoting a small space to the commenoration of an
event which has spaced sorrow and mourning over
this whole land. The death of William Herry
Harmson, whom the sovereign people, by their free
will, find so lately chosen to preside over this great
mation, has in all places, and from all parties, called
forth manifestations of the deepest regret, and most
abiling sorrow.

Devonit minds cannot but regard this national bereascence as an afflicting dispensation of Divine Providence; and such will willingly comply with the following recommendation of President Tyler, us the most appropriate manner in which a Christian people can commendate this solemn event.

TO THE PEOPLE OF THE UNITED STATES.

A RECOMMENDATION.

When a Christian people feel themselves to be overtaken by a great public calamity, it becomes them to humble themselves under the dispensation of Divine Providence, to recognize His righteons government over the children of men, to acknowledge His goodness in time past, as well as their own unworthiness, and to supplicate His merciful protection for the future.

The death of WILLIAM HENRY HARDESY, Into President of the United States, so soon after his clevavation to that high office, is a berravement peculiarly calculated to be regarded as a heavy affliction, and to impress all minds with a sense of the uncertainty of human things, and of the dependence of nations, as well as of individuals, upon our Heavenly Parent.

I have thought, therefore, that I should be acting in conformity with the general expectation man feelings of community, in recommending, as I now do, to the People of the United States, of every religious denomination, that, according to their several modes and forms of worship, it ey observe a day of Fasting and Frayer, by such religious services as may be situable on the occasion; and I recommend Friday, the Fourteenth Day of May next, for that purpose; to the end, that on that day, we may all, with one necord, join in humble and reverential approach to IIIx, in whose hands we are, invoking him to inspire us with a proper spirit and temper of heart and mind under these frowns of His Providence, and still to bestow His gracious benedictions upon our government and our country.

JOHN TYLER.

Washington, April 13, 1841.

For the New Genesce Farmer.

New Drill Barrow.

Messas. Editors-To the hundred inventions for planting rata baga, beet, and other seeds, I must add one of my own, which I have had made, and shall give a trial this spring. If it succeeds, as I think it will, I shall send you a description of it, as I think it will be found the chespest thing yet of this kind. It consists merely of a seed barrel and two band wleels, or s of which is placed on the axle of a common wheel barrow, by which motion is given to the barrel containing seed; a furrow is opened by a cultivator tooth, the seed is dropped, a chain covers it, and last of all a roller presses the earth upon the seed, and the planting is finished. The advantage of this contrivance is, it can be attached to a common wheel barrow, by taking off the bottom boards. When not wanted as a drill barrow, it can be converted to its legitimate use; and I have found it very handy sbout the place, in making garden, hot beds, &c. Yours &c.,

E. B. QUINER.

Milwaukee, W. T., April, 1841.

SILK WORM EGGS.

L ARGE White Pennut, and large Nonkin Pennut eggs 1 the Sina Miratel, and time common Sulphur Mirabel joune, of the French, 3 and the common Sulphur varieties, are for sale at the Sees Store, by BATEHAM & CROSMAN. Rechtster, April 1, 1811.

Excrescences on Plum Trees.

In a late journey through some parts of Scheen and Ontario counties, we could not but observe the increase of these unsightly hunches on the plum trees, within the past year; and the inquiry came before us, Have these people no eyes? or do they see not that their trees must soon perish unless they lend a belging hand? Branch after branch becomes loaded, the nutriment is turned into other channels, and a general decline must rapidly supervene.

Yet these worms which feed on the best juices of the tree and load it with deformity, are atterly help less, and live entirely through our forbearance or neglect. No work is more easy than to destroy them, if we go about it in the right way. Let every man that owns a plum tree and wishes to preserve it, cut off every branch on which these excreseences are found, and burn them to prevent the possibility of the insects escaping. We do not expect however, that worms will be found in these old habitations at this seasonthe perfect insect escaped from them last season; but eggs were most probably deposited again in the same branches; and our object is to have the young worms destroyed. Soon after the receipt of this number of the New Genesee Farmer, begin to watch for new nests, as they will probably appear soon after the tree comes into full leaf. Let the search be thorough. cut them off and burn them without delay, and there will be but few to disturb the tree next year.

We have observed that this insect is generally not much inclined to travel when it can be accommodated near its native spot. Some limbs are more crowded with these bunches than others; and we have lately seen several trees standing near together that were ruined: while two or three others at no greater distance than a few rods, were almost exempt from those ravages. We mention this to show that the progress of these insects is moderate-not rushing on in overwhelming numbers like many other insects. Be encouraged then, and go to work.

Our Woollen manufactures prejudiced by the Compromise Act, owing to the duty on fine foreign Wool. Cheap capital and cheap production makes England a creditor nation -not her restrictive measures.

Messes. Editors-It was an oversight in the framers of our Compromise Act, to make the same reduction in the duties on imported woollens as on any other article; for the reason that England admits foreign wool into her ports at a merely nominal duty of one penny per lb., while the United States puts a prohibitory duty on fine foreign wools.

The low price of wool in Germany enables the English manufacturer to procure his fine stock from thence, much cheaper than it can be precured at home; and as it is imported almost without duty, he can the more successfully compete with our own manufactures, who are cut off by a high duty from a supply of fine foreign wool. Hence the minimum duty of 20 per cent, on foreign cloths, which under the compromise act is to take effect in 1842, is by no means a sufficient protection for our woollen manufactures against which surround the flowers, and large leaves. competition from abroad.

In 1824 the duty on foreign wool in England was 6d. sterling, about 11 cts., per lb. But in order to give the woollen manufacturer a boon to compensate him for the effect of our high tariff on British woollens, the British government reduced the duty on foreign wool to one penny per lb. Hence the hardship of the provisions of our compromise set in relation to woollen cloth, as it reduces the duty on foreign fine cloth, without a correspondent reduction of the duty on fine foreign wool.

Should Congress take off the duty on foreign wool,

What then is to be done for our woollen manufacturers? I reply, revise the compromise act so as to give them that relief which their necessities and the justice of their cause demands. Let the advocates of free trade reflect that in a moderate protection extended to our woollen manufactures, they are also encomaging the wool growers, by giving to this class of our agriculturists that stability of demand, and consequent regular profits, they have never yet enjoyed.

The friends of a high tariff in the United States are continually arging that England extends towards her manufacturing interests, an almost unlimited protection. On examination we find that out of 1150 articles on which an impost duty is levied, only 20 of them pays a duty for protection-the remaining 1130 paying a duty for revenue only. Is it not rather the cheapness of enpital and the low price of labor, rather then a highly protective tariff, which enables England to sell so much, and to become the great creditor na tion of both the civilized and pagan world ?

Much has been said of late about the prejudicial operation of the English Corn Laws upon the trade of the United States. What right have we to complain of England for thus saving her agricultural interest from atter prostration and rain, by the free admission of our more cheaply raised productions? We have at least one salvo in our dilemma-the protection England gives to her agriculture is a direct charge upon her manufacturing interests. Manufacturing England, under her eorn law restrictions, is a much less dangerous competitor to manufacturing America, than she would be if American bread stuffs were admitted free into English ports.

There is unother reason why the recinding of the English corn laws would fail to give any considerable demand for bread stuffs from the United States. Germany and the north of Europe, can at all times supply England with grain on quite as good, if not better, terms than the United States.

Let farmers then, instead of depending on the devices of legislation, learn to look to their own resources. and "make not haste to be rich." Let them diversify their productions to suit the varied capability of the soil, and the probable state of the markets. If prices are low, so far as the farmer is the consumer of his own productions, he loses nothing. If his surplus does not bring as much as in other times, neither does the manufactured article he needs cost as much. If he owesold debts, he is indeed the loser by the cheapness of the times; but this loss must be chargeable to the year in which the debt was incurred, and not to the present era of exploded humbug and sober reality.

From the (London) Gardener's Chronicle of Feb. 27. Trees and Shrubs.

The following list of the newest and most remarksble deciduous trees and shrubs, embraces all the more desirable, but many of them are at present extremely rare:--

Legersteria formosa, a handsome shrub from the North of India, produces its white flowers in August, and makes a pretty appearance with its red bracts particularly valuable in exposed situations near the sea where the bracts and leaves assume a deeper color.

Pawlownia imperialis, a low tree from Japan, in appearance very like Catalpa syringæfolm, has beautiful lilae-colored flowers.

Cornus macrophylla and [C.] grandis, handsome shrubs, growing from 10 to 12 feet high-the former from the north of India, and the latter from Mexico. Caragana Gerardiana, a handsome lowshrub with

yellow flowers from the north of India.

Cyrisus Weldenii, a shrub from Dalmatia, producing spikes of yellow blossoms, like a Laburnum, but the spikes have an ascending direction instead of being pendent.

Spira Lindleyana, a fine species from the North our wool growers would have a right to complain, of India, nearly related to the well known S. sorbifo-

S. cuncifolia, [S.] luxiflora, [S] ruccinifoli and [S.] rotundifolia, are also from the North of I dia, and form pretty low shrubs S. fissa from Mer co, is a handsome shrub, growing from 15 to 20 fe high.

Louivera Ledebourii, a curious plant from Califo nia, remarkable for its bright blue berries.

The genus Philadelphus has had several accession from the north of India and Mexico. P. Gordoni nus from Northwest America, is one of the finest sp cies, bearing its white flowers in great profusion in J. ly, and forming a bush from 8 to 10 feet high. It mexicanus from Mexico, [P.] triflorus and [P.] to mentosus from the North of India, are also desirable plants well adapted for the shrubt ery.

Deutzia corymbosa, from the Himalayas, produce white flowers in June. Berberis coriuria is a handsome species from the

north of India, with fine evergreen leaves and yellow Coriaria nepalensis is a fine plant for a wall.

Rules Menziesii with scarlet flowers from Northwest America, and [R.] gluciole with white flower from the North of India, deserve a place in every collection of plants. Aralia japonica, a curious shrub from Japan, grow-

ing from 12 to 20 feet high. Betula Rhojputtru, a very handsome large tree from

the Hanalayas, nearly related to the common birch. Amygdalus incana, a Caucasian species, is extremev ornamental in April, when covered with its bright pink flowers; and in the summer, its light green leaves. covered with white down on the under side, makes good contrast when planted among evergreens. Pullusii from Russia, is also a pretty low shrub.

Clematis Hendersonii, a garden variety [a hybrid 1] is perhaps the handsomest of the genus, producing a profusion of large purple flowers from June to Sep. tember. It is adapted to covering a bower or trelling work, and if trained umbrella fashion on a lawn, would form a most beautiful object.

Atragene macropetala, a Siberian creeper is by no means unworthy of a place on a wall.

Acer colchicum and [A.] Lobelii, the former a native of Colchis and the latter of Italy, form handsoma low trees. A. Lobelii is remarkable for the fine purple bloom which covers its young shoots.

Decayed Turnips.

Sceing many inquiries as to the cause of the rotting of a turnip crop, without the least appearance of the disease externally, and having had much experience in the raising root-crops of various kinds, I would sny, the evil arises from a wet and retentive subsoil. Four years ago I sowed a tresh broken up piece of land with ruta boga; it had been in wood, was the first cultivated crop that had been raised upon

The plants came well, and flourished for a senson, when some of them began to turn blue, and they were then soon full of the animal, called familiarly the plant louse; others, however, retained their healthy appearance, while their internal parts were one mass of corruption; and it was curious to observe, on putting one's foot on a large healthy looking turnip, and full of folinge, how suddenly the whole superstructure would ernsh down into complete rottenness, the shell not being more than half an inch in thickness. On examining the tap roots of many of them, they were lound rotten, although the disease had not extended, in some cases, to within several inches of the bulb, while the eilluvia which arose from many, even of the comparatively sound looking roots, was convincing proof of incipient decay. Many of the roots, to appearance perfectly sound, were packed away for winter provender, but I believe I may say, that no one of them proved in reality so, and no cattle would touch them.

The winter following revealed the truth, for, on exomining the land, it was found to be full of stsgnant water to within a few inches of the surface; sines then it has been drained and well cultivated, and I have no idea that the eron of turnips which I intend to grow upon it the present season, will decay on the land. Should they, however, deceive me, I will tell the truth, and inform you of the result, "right or wrong."-Far. Cab. J. STURGES.

From the New England Farmer.

Decayed Turnips.

I observed in the last number of the Farmer, an article from the Farmers' Cabinet, in which it is stated that this disease is the consequence of a wet or too retentive subsoil. That a soil of this description is not suitable to the cultivation of turnips, is generally admitted; but how does Mr. John Sturges account for e rotting of crops on land where there is no such use existing ? The " rot," popularly so called, is ten found to prevail on free and light soils as well as those of a more heavy texture, and indeed in situaons where there is no substratum for yards, and even ds below the surface. The farm which I cultivate a free sandy loam, and so open that in order to ob-

in water it is necessary to dig from eighty to ninety No water can be obtained in the village short of at distance, but we have often had rotten turnips in reatabundance, even in this soil, as well as on the opes of our eminences, where the soil is so light, at in order to prevent the surface from being washed way by heavy rains and showers we have found it pressary to haul on clay and muck. If Mr. Sturges' eory be correct, the tap-roots of our ruta bagas, like iose of the Ohio parsups, must be "rather long." gain-Mr. Sturges assures us that the grub never tacks the turnops, unless when previously diseased. nt until he proves that the tap-root of the ruta baga capable of permeating a light sandy soil, or earth, to e depth of 80 or 90 feet from the surface, and of tip ing upon the stagnant (?) waters of the earth's inrior, I shall reject the latter theory, as no less unsat-11. D. W. actory than the first.

Windham, Me , April 5, 1841.

The article from the "Farmers' Cabinet," referred by our correspondent, was as far from being satisctory to us as to him. But it was an attempt to chibit the cause of frequent losses of a crop which any of our farmers wish to raise. The attempt was raise-worthy. The matter of rot in the ruta baga is serious evil. If its cause can be ascertained, and des given by which the action of the cause can be oided, a great good will be conferred upon our comunity. It will give us pleasure to receive informaon, or even hints and conjectures, upon the subject, om any of our renders. We have seen this rot where it was impossible that

sperabundant moisture in the subsoil could produce in one season it prevailed more among that part of ne erot which was sowed (about the first of June) upunfermented dung, than upon the part manured ith a mixture of ground bones and ashes. And more each of these loss than in those sowed about the 1st July. This was in 1838; and the crop that year as not by any means a failure. In 1839, we sowed pen fresh manure from the barn cellar, on the last Veduesday of May. Land, a light loam—subsoil ry. This crop was very badly injured. We conctured that the failure was owing either to the early owing, or the fresh state of the manure. In 1840, e sowed where the manure had been applied the preeding autumn, and the same evil was experienced. The season of sowing and the condition and nature manure or soil, it is not improbable, have influences increasing or diminishing this rot. But what the roper season for sowing is? what the safest soil and ibsoil? what the best kind of menure? what stage decomposition should the manure be in?-these nestions our experience and observations cannot an-We are in the dark. And we put the question istinctly to any man who can, or to any man who winks he can, answer it—What is the cause of rot in ata haga ?-ED. N. E. FAR.

Influence of Solar Eclipses on the Weather. Extract from " Travels through the Western Country in 1816,"-(By DAVID THOMAS)

"On the day of our arrival in Pittsburgh, we had everal thunder showers from the west. The weather nen became clear; and for three days we had brisk ales from the north-west, of unusual severity for number. The surface of the rivers was rolled into ost. Indeed, it still con inues. (6 mo. 10.)

"It is said here, (as in New York,) that the seaation always terminates, whenever the subject is inroduced, by a reference to the great eclipse of 1806. At this turn, I have always listened with diminished

espect.

This popular opinion took its rise, from some ool weather, in the summer seasons of 1:06 and 807. A retardment, in the average progress of vegeation, for a few days was deemed cause sufficient o overlook all terrestrial agents for the absorption of cat, and to charge it directly to the moon.

"Of the facility, with which errors not palpable to he senses, may be propagated, we have long been a ware; but that men of understanding should adopt his notion,-which originated in the grossest ignorince of the causes of eclipses,—is surprising. Such, powever, is the case, and to these I offer a few obserrations.

"The same shadow that attends the moon, has constantly projected its dark cone since the creation. Within every term of a few years, its point has touched the earth; at least twice in every satellite has passed so nearly between us and the san. as partially to hide it; and once in every month, it has revolved round the earth, and approached as near to us as it did on the day of the great coluse. These me facts that admit of no dispute; and the inference is clear and consistent, that, if celipses affect the weather, the seasons ought to be equalized by such an equality

"Other views of this subject would justify the assertion, that a solar eclipse has no effect whatever on the atmosphere, except during its continuance. darkness is nothing but a transient shadow. No reason can be given wby the moon, in passing between us and the sun, should produce more extraordinary of feets than when the earth rolls between us and that lu-The latter case happens every twenty four minory. hours; and the chillness in elenr weather is not only much greater, but the duration of the darkness will average more than three hundred times longer than in other eclipses.

"But every point of view, in which this belief can be placed, shows its absurdity; and whether it be said that a pernicious vapour escaped from the shade of the moon, or that the atmosphere received a shock, the supporters of this doctrine are equally discountenanced.

"It will be proper to inquire, if the seasons have been uniformly colder since the year 1806 than before that period ? A correct answer to this question would how that much fallacy attends this popular opinion. Pennsylvania has been subject to summer frosts since its first settlement; not, indeed, very destructive, but sufficient to show that cool weather was frequent. The colebrated DAVID RITTENHOUSE, who resided many years in Norriton, twenty miles north-west of Philadelphia, asserted, "that he had discovered frost at that place in every month of the year except July.' He died in 1796.

"This was in times of old. In more modern days, but before the eclipse, I remember a severe frost in some parts of Cayuga, in the 6th month, 1800; and a considerable fall of snow happened at Philadelphia in the 5th month, 1803. Many of the citizens were awakened in the morning, by the erashing of Lombardy poplars, the branches of which were in full leaf, and unable to support the load.

"We will now notice some seasons, since the cclipse, of a different character. The spring of 1808 opened so early, that flax was sown near the Cayuga Lake in the 3d month; and on the first of the 4th month, young cattle we're turned to posture, because there was a sufficiency of grass. The whole summer was unusually pleasant, excepting some extremely hot days. Similar observations were made in the year 1811, one of the most remarkable which the oldest settlers in this country remember. The spring opened about the middle of the 3d month, without any subsequent frost; and the autumn was so fine that its mildness was ascribed to the comet.

"It thus appears, that the popular doctrine of eclipses is inconsistent with reason and contradicted by

"This reference, to which I object, however, com norts well with certain operations of the human mind. When two remarkable occurrences in the sky and on the earth, have happened near the same period, the ignorant of all ages, have been subject to believe that one depended on the other. Ancient astronemers arranged the disasters of the times with their accounts of comets and eclipses; and in our own day we have had three remarkable illustrations of this principle. In Eastern Pennsylvania,

the swift

And perilous lightning, from the angry clouds, were thought by some to be much increased, on the introduction of plaster. To the north-esst, the frequency of cold winds, since the great eclipse has been observed beyond all former example; but in the southwestern part of the United States, where no great eclipse appeared, some of the old inhabitants declare, that this change of sensons arrived with the Yankees, from the north."

Ripening Pears.

Beurre' Diel, as well as some other kinds, require a peculiar mode of management after they are gather-Two that were beginning to turn black on the skin, were put in a drawer near the fire, where they lay for a week or two. When cut they were perfectly melting and delicious, - Gardener's Chronicle.

To the Ladies.

In our last number we commed to find both the time and mode for ornamental garglening,—and we shall find them both in one intelligent word—inclina-

We know of one poor woman who lives in a log ca bin, doe- all her own work, takes care of four young children and a baby, for whose support she takes in washing. Vet in front of her door you may see a nearly tended border of flowers,—the seeds bought with a few hard earned pence, and planted and wed after the toils of day are over, or in a few stolen moments before ber children are up in the morning. We remember too, another wash-woman, whose windows were curtained on the outside with scarlet beans and morning glories; and whose double balsams, marigolds, and sweet peas, often drew a look of admirauon towards her otherwise cheerless dwelling. So much for instances among the very poor. Among those to whom fortune has been favorable, we know of one matron, who has reared a large family of children, and whose hands of course were full of domestic care, whose garden and grounds have yet been the admiration and ornament of the neighborhood; and in the wholesome spirit stirring exercise attendant on the cultivation of plants and shrubbery, she has found both recreation and rest when wearied with family entes.

Surely there are instances enough to convince every one that inclination can supply both time and mo-The beautiful productions of nature are so abundant, that the poorest can afford the cheap, yet delightful ornsment they afford; a dwelling unadorned by their presence, can only be accounted for, by supposing its fair inmates destitute of that love of the beautiful which is one of the most engaging traits in woman.

We know there are some that affect a distaste for the more common flowers and shrubbery, that any body and every body can have. "Could we afford to keep a green house," say they, "and to purchase plants really worth having, we might feel some interest in the thing; but these every day affairs are not worth the raising." Such show that they have no genume love and appreciation of the beautiful creations of nature, but regard them merely as matters for ostentation and display. Let the fragrant myrtle, or the splendid pomegranate, once become common flowers, adorning the open field and fringing every brook. and they would henceforth lose every charm in their eves; and the stupidest cabbage that ever vegetated, might become elegant by becoming so rare that only the possessors of thousands could own it! Those have a gennine love of nature, must have something; if they cannot possess the costliest and most elegant, they will have the cheap and the humble, and are thankful that the Author of nature is no aristocrat, but that he has shed a grace and beauty on the more common of his works, far superior to that which adorns the rarer ones.

We would that we could point our readers to the gardens of some of our female friends, where a very beautiful show of flowers and shrubbery has been created with scarce an item of expense.

Our friend Mrs. A. is an example-will you walk with us in her shrubbery a few moments? See that noble rose geranium !- it was the growth of a slip sent to her in a boquet, and cultivated by herself till it has reached its present size-those honeysuckles that entwine the porch, were at first small cuttings taken from the vines of a friend; but Mrs. A. nursed them to their present growth—that white rose, whose snowy blossems cover one end of the house, was in the beginning a small offset, from the garden of one of neighbors, but she has cultivated and tended it till it has reached its present maturity-that orange tree perfuming the air with its blossoms, she raised from the seed and innoculated with her own hands, and so with many others of her choice shrubbery-in like msnner the cape myrtles, the oleanders, the dahlas; these splendid ornaments have been sources of very little expense. Mrs. A. does not garden by proxy. After the gardener has once arranged the borders in the spring, the planting and watering and nursing and transplanting is mostly done by herself; and early every morning you may see her in her cottage bonnet and gardening gloves, busy among her shrubbery; and if you will ask her, she will tell you that she gains health and vigor daily by the exercise.

If any of my readers are half persuaded to undertake a like course, we will next month give a few hints as to the laying out and arranging of a garden, and the selection of plants for persons in moderate cir-

cumstances .- Western Farmer and Gardener.

For the New Genesee Farmer.

Experiments with Potatoes.

Messas. Editors-Observing in your first volume, various experimants suggested on the culture of the potato, I have performed the following. I selected ground in my potato lot, the soil a mixture of clay and gravel, a moderate portion of stable manure was put upon the sod, then well ploughed and harrowed, and lightly marked with a small plough, about 3 feet apart and 18 or 20 inches between the hills. They were planted on the 2d of June, the cultivator passed through them, plaster applied, and some time after they were ploughed and hoed. G. S. T.

Erie co. Pa., March, 1511.

1. Pieces one eye only, 21 hills to a row.

1. 5 pieces each hill. Product 95 lbs.

2. 4 44 96 44

3. 3 · 99 · · 2. Pieces usual size, from the top half of the potato,

16 hills to a row. pieces each hill. Product 81 lbs. 1

2. 3 44 83 44 3. 2 .. 88 ..

3. Pieces usual size, from the root half of the potato, 16 hills to a row.

1. 4 pieces each hill. Product 87 lbs.

2. 3 " 87 " .. 89 .. 3. 2

4. Potatoes ordinary size, the pieces quarters, parings thick, and cut in 4 pieces, 16 hills.

1. 1 whole potato each. Product 81 lbs.

4 pieces 66 44 89 11 72 " 4 parings

5. Potatoes small: 8 hills.

4 whole ones each. Product 44 lbs.

2. 3 " 66 43 " 66 66 44 " 3. 2 " 44

The above experiments were with Calico potatoes; the following with Scotch Greys.

6. 30 hills to each row.

1. 1 whole one each. Product 180 lbs. 2. 5 pieces 44 127 "

157 " 3. 4 "

Remarks. - Accurate experiments are always valuable, but they require repetition and considerable variation, to establish any point. For instance, a very slight variation in the soil of each row, may cause a difference in the result, greater than any difference in the mode of planting. Hence in trying one mode, several rows should alternate with each other, and their difference be individually, as well as collectively, compared. Again, in cutting pointors, whole ones succeed best in dry seasons, in dry soils, or when planted shallow and perhaps cut ones when the opposite is the case. These, and many other circumstances, are to be taken into consideration.

Indian Corn.

Messas. Entrons-I had two pieces of corn; the first two acres were clover sod-the seed the twelve and sixteen rowed, known as the Stenton corn; it was put into the ground dry, on the 15th of May, the rows three feet apart each way. During the season I plastered one half, and asked the other once, and went through with the cultivator once each way, and once each way with the plough, followed with a hoe each time. About the 20th of September, the corn was cut up at the roots, and stooked for ripening. After husking and sorting all the small cars. I sold eightyeight bushels of shelled corn from the two acres. Had I managed it as I did with the other piece, I think I should have got double the crop, with onehird more labor. The other piece, one half acre, was corn stubble of no richer soil than the other; I drew on it fifteen leads of long mannre, and spread it equally over the ground; planted it in rows three

time as the other, and in the same manner. As soon as it was of convenient height I went through it with the cultivator, followed with the boe, and plustered it; the next time with the plough, followed with the hoe. About the 15th of Sept. I cut up the corn at the roots. After husking and sorting the small cars, I had eighty bushels of ears from the half acre.

Berkshire Pigs.

Major E. Corning brought into our neighborhood, in the town of Hastings, a full blood Berkshire boar, and I, like some of the rest of my neighbors, thought that our native breed was equal to them; but after seeing some of his stock, I purchased a sow that had seven pigs from his boar. The sow was quite small. I fatted her, she weighed only 250 lbs. The pigs I wintered on one-third less feed than I could have done the native breed. On the first of March, I moved into Cayuga county, and drove my pigs; I could have sold them on the way two or three times for six cents per pound, whereas the native breed fetches only three cents. I will give you the result of my pigs Very respectfully yours, when fatted.

WM. K. JOHNSON.

Cato, April 9, 1841.

The Cross Pear.

In the last number of the Magazine of Horticulture, there is an account of this new native variety of the pesr, with an outline and description of the fruit, by the editor of that journal. It is supposed to have originated in Newburyuort: and bears the name of the proprietor of the garden where it was discovered about filteen years ago. Our friend R. Manning, whose judgment will not be disputed, has pronounced it without hesitation, "a most excellent fruit;" and the editor says, " The beauty of this pear, together with its abundant and constant bearing, and its melting flesh and perfumed flavor, render it a desirable variety in collections, and one which will rank with the Cushing, Seckel, and others of our finest American kinds."

We copy his description of the fruit:

" Fruit medium size, roundish, two and a half inches in length, and two and a courter mehes in diameter. Stalk three-quarters of an inch long and very inserted in a slight cavity. Eye small, and considerably depressed. Skin smooth, deep yellow, red on the sunny side, very russety round the eye and covered all over with russety dots, and sprinkled with small black spots. Ilesh melting, juicy, and sweet, with a perfumed and agreeable flavor. In enting in December, sometimes earlier (in November) and occasionally keeping till February."

The Season.

Amidst the oft-repeated remarks upon the peculiarity of the senson, let us recur to the records of past rs for their evidence upon the point.

1st half & 2nd half of month. Mean temp. of Mar. 1838, 30,53 36,66 mean 33,59 " 1839, 32,45 35,60 " 34,62 44 44 1840, 33,98 34,58 34.2844 66 23,76 " 44 1841, 23,82 28.88 April, 1838, 37,04 37,45 " 37,24 .. 44 48,87 " 1839, 48,30 48,58 44 1810, 42,86 54,71 48,78 .. 1811, 35,24 45,15 " 40.20

This comparison shows the uncommon cold of March and April. The first half of March was as cold as the mean of February. March 17th, was the coldest morning in the three years past, being 5° below cypher. On the 7th day there fell 14 inches of snow, and on the 13th also 12 inches, and several inches more in the following days, so that the snow was nearly two feet on the level after settling several

feet apart, and eighteen inches in the rows, the same a snally come in the first week of March. A shower and some lightning hoppened on the 27th, at which time the Genesee was high from the melting snow the change to below freezing point on the 29th, doubtless prevented much desolstion.

> The first balf of April was uncommonly cold; in deed it was not till the 23rd that the mild south wind began to blow upon us, and the flowers, which open in the woods near the beginning of the month, began to appear. Till after this day the grass scarcely show. ed any signs of returning spring.

April 25, 1840, the temperature was 88 °, extremely hot. April 24, 1841, it was 76°. Examination shows the great peculiarities of this sesson. For the raising of fruit the lateness of the season is considered. favorable. At the same time it increases the farmer's expence for the support of his cattle, &c., in no inconsiderable degree. C. D.

For the New Genesce Farmer.

Education of Farmers' Children -- No. 4. ON DEFINEMENT OF MANNERS. Messns. Editor -It has been my endeavor to

show the necessity of giving more education to our sons, that they may have advantages equal to those of our daughters, and take equal rank with them in society. I was brought up a farmer's son, and rejoics that I know by experience the necessity and virtue of labor and industry. I am able to speak of whot I have seen; and can give some reasons for facta which I did not then understand. I saw indeed that the daughters were generally in advance of the sons in all those acquisitions which make an impression upon others, and see the same to hold true at the present day. Besides the greater degree of education in proportion and the greater facility with which the female nttains that which is interesting, there is another fact which has far too wide and great an influence for many years, and often through the growth of both .-There is not the same successful moulding of the manners of the sons, nor the same attention to their dress. nor the same introduction of them into society. If there is company at all, the daughters more naturally fall into it, and enjoy its advantages; the sons are in the field, or at work in the garden or yard, and their clothing is suited to their work, and not to visiting or attending on company. The dress of the daughters is often, not of a better kind, but more attractive. The sons, when in early youth, often acquire a distaste for seeing company for these leasons, and avoid far more than is for their good all the means of social improvement thus thrown in their way. Often too, they are ass ciated with bired help of no refinement and improvement, whose influence is pernicious upon their minds in every social respect. It thus happens that youth passes away before they begin to feel the importance and desirableness of society; and their manners and course of life have not fitted them to interest others or to impart to them much pleasure. I know that often the son is in fault, in that he excludes himself far beyond what his parents or his sisters desire, from seeing company and enjoying the benefits of social intercourse. Let, however, the circumstances he considered, and probably there will be found room for improvement on more than one side. The possession of good-breeding, politeness, and good manners, is not made of as much consequence to the son, and in the view of the son. His mind is not impressed with its value in an equal degree. And yet rusticity, coarseness, vulgarity, impoliteness, have no necessary connection with a farm and our agricultural pursuits. The fine manners and gentlemanly appearance of many a farmer, who have in some way become exceptions to the too general fact, present us with all the testimony needed in the case. But manners will be inches. The birds appeared about the 29th, which rade and coarse, and the appearance unpreposeering

whout effort and cultivation and social intercourse. Een education, though it naturally places persons in tuntion for the improvement of the personal apprance, will not of itself render one agreeable and resting in society. Many a scholar is unpolished is manners compared with many a farmer. We en indeed deride appearances as contrasted with inensic worth; but, after all, the maxim of the Gern is true, " That every person is to others what he EARS to be." At the first sight of a person this is must be true; and on intimate acquaintance it is hally true. The son that disregards appearances, cares little what his appearance may be to others, eshimself a great injury; for he will lend others to ower estimate of him. The parents that are not sentive to the manners and social appearance of ir sone and daughters, commit a high miury upon mselves and children. Let there be an equal reeve from coarseness and vulgarity on one side, and m affectation and dandy ism on the other.

The remedy is obvious to every intelligent farmer, the sons feel the kind transforming influence of mother, and the father lend his efficient aid in aging that moulding influence to bear upon the aid. Let not the daughter alone share in this planpower of maternal love. Let the benefits of social be enjoyed to all resonable extent. Let the good fuences begin to be excreted early, and let them be utinued without intermission. In this particular, 3e not weary in well doing."

D. C.

Mr. Earl's Stock-Yates Co.

Messrs. Entrors—1 wish to call your attention to all blood Durham call, belonging to Mr. Jephthah rl of Cashong, in this county.

Mr. Earl has long been celebrated for his excellent beds of hogs, both Berkshire and Leicester; and ore recently has turned his attention to the imported glish breeds of cattle. The Durhsma are his favoras, and of them he possesses some fine specimens; the one to which I now shall particularly advert, a bull calf, which, in elegance of form, and symitry of proportion, approaches, in my opinion, very varly to perfection. He is of a white color, with a few it spots; and has reached his present remarkable size, nothing more than what would be called ordinary tatment, for such an animal. He was accurately tighed a few days ago, in the presence of several raons, and his weight was seven hundred and eight unds, being, at the time, only seven months and fe days old.

Before sending this to the post, I called on Mr. Earl tget the pedigree of the calf, which I now add.

Comet was bred by Jephthah Earl, sired by Fors-

ir; dam, Bellflower.
Forager, dam, Victoria, by Rover. By Rockinglm, dam, Cherry, by Wonderful, grand dam by Al-

fd, gr. gr. dam by Chilton's old red bull.

Belliflower's pedigree extends to North Star, Comet,
larry and Danby.

A FARMER.

Benton, Vates co., 1841.

Holkham Hall,

nowned as the Seat of the Earl of Leicester, better known as "Mr. Cake of Holkham."

In no part of Great Britain is to be found a finer scinnen, either of the style of life of a country genann, or of the management of a first-rate practical oprictor's estate. In the year 1776, Mr. Coke oved, in the English House of Commons, the disnitinuance of the American war—which was carried a majority of one-and bended a committee to make an address to the King, in pursuance of the vote, his white-top boots and frock—his customary dressand every American must respect him for the hievement: nor will they regard him the less, when ey are told, that every day at his table, during the solo of that harbarous war, he was accustomed to link the health of the greatest man in existence—XMRAL WASHYSTON; and this liberal spirit has si-

ways distinguished the man, who, were he now in the House—which has age, 82, prevents—would be, by many years, "the Futher of the House of Com-

The extent of Holkham is about 3500 acres, nearly surrounded by a high brick wall, about ten miles in This comprises plantations of wood, and a beautiful lake of water, and nothing can appear more rural than its borders, completely overshadowed with forest, and wild as in the depths of some solutude in Michigan. All the woods have been planted-t'e work of his own hand - the whole estate being plents fully sprinkled with various species of trees, arranged in coppiecs, in neres of forests, and long avenues; so that, instead of a vast park in one body, it is everywhere an ornament and a shelter, over hill and dale, nowhere in excess or in the way of the farmer. mediately around the mansion are gardens, delightful walks, and a wide extent of velvet lawns on every side: but these are marked by their own schemes of practical utility, for here may be seen the stately pheasant and the graceful deer, that feed and browse and bound about on these soft lawns, and enjoy the seclusion of the cool shades in perfect security .-These are charms to the eye, and exhibit the instellil elegance of the noble proprietor. Here are woods, too, and while riding through their long winding lanes, one is charmed with the perfume of the forest flowers of most exquisite fragrance, and the chirping and fluttering of birds-the yellow-hammer, whirling on his gay speckled wings; the shining blue jay, glancing "like the javelin by," and the wood-pecker "tapping at the hollow beech tree."

The remoter lawns are sprinkled over with flocks of sheep-of which more than three thousand are keptof the famous South-Down breed; and in the pastures are to be seen the fine, sleek, bright-looking Devon cattle, browsing in herds, more than three hundred in number, besides an immense dairy of Scotch cows .-Beyond these pastures, one comes at once into the midst of cultivation, and n ring of this, skirted and sheltered here and there with avenues and copses and trees, encircles the whole estate. Here may be seen a field of one hundred and thirty neres in barley, ano her of sixty acres in wheat, with fields of peas twenty-five and twenty-seven acres each; the arable lands being divided about equally between these grains, and turnips and grass, which crops, sometimes having grass for two years, constitute the routine of the succession of tillage on the same ground. There are in cultivation at this time, about four hundred and thirty acres of whent and barley, each in fine condition; in the steward's cetimation, thirty bushels an acre are indif ferent crops-forty and fifty, more the "right thing."

It must never be forgotten, that Holkham has literelly been made what it is by Mr. Coke. When he succeeded to the estate it was a more waste; not a tree, nor was it believed that the land would grow them-the only creatures that could exist upon it were rabbits, and they were starving! Now, what a tri-umph is here! But go into the village of Holkham, which belongs virtually to the estate, and subsists by it in one way or another. Here are five hundred persons probably, with cottages that are a cariosity of rural neatness and comfort; delightful gardens surrounding them, with flowers banging around the win dows and over the doorways! About one hundred and fifty persons are employed on the Farm alone; those in the gardens, which are surrounded by a wall one thousand four hundred yards long and fourteen feet high, are perhaps forty more; in the brick-yard twenty; in the smith's shop ten; -with carpenters, brickinyers, wheelwrights, game-keepers-a little army of servants without; while in the mansion, besides male servants of every grade, twenty females are employed when the family are present. Women also assist in the labour of the farm, in hay and grain harvest, as well as in weeding and hoeing the crops, which are all drilled.

Beyond, and outside the walls of the regular estate, is another plantation of six hundred acres more: here all were hard at work sowing turnips, all the parts of the process going on at the same time—twenty men and boys spreading manure from five or six carts drawn by three horses each (one hundred being kept; half a dozen ploughs with two, without a diver; castions rollers with two; three and four harrows with two; drill machines with two, with harrows again, brining up the rear. And to crown all, the noble asylum for the old, and schools for the young! Truly this is one of NATURE'S NOBLEMEN! Here, the sons of gendlemen come from all quarters to learn the science of agriculture, under the care of the steward, the whole establishment being a model both of the science and practice of farming.—Beston Transcript.

Spring.

"This delightful senson lins, after a long and tedious winter, made its appendance. Bright beautiful Spring I we again greet thee with joy, and welcome thee with a smile of delight. The heart of that man must be callous and cold indeed, whose sprits do not sympathise with this delightful senson. Poets may well gather inspirator a from the clear unclouded face of nature at this senson of the year. The song of birds—the bounding of the playful lambs—the green pastures—the bindding trees, are objects which have in every age been the theme of the poet's song.

"Say ye that know, ye who have felt and seen, Springs morning studies, and sour elia'vining green, Say, did you give the thrilling transport was? Did your eye brighten, when young tambs at play, Leap'd o'er your path with animated prote, Or gazed in merry clusters by your side !"

Spring is endeared to us by a thousand recollections of our boyhood days—when we wandered o'er hill and dale, or followed the swollen brook to its source, or chased the robin from bough to bough, free as the very air we breathed. Youth may well be styled the spring time of life, the Elxir, the very cream of our existence, but like the sensons it quickly passes away, but not like them, to return."

THE VOICE OF THE SPRING TIME.

BY MARTIN THAYER, JR.

I come! I come! from the flowery South,
With the voice of song and the shout of mirth;
With the voice of song and the shout of mirth;
With the voice of song and the shout of mirth;
With the valleys and hills of the South among;
On woodland and glen, on mountain and monr,
I have smiled as I smiled in days of yore;
In emerald green I have decked them forth,
And I turaed again to my home in the North,

I have roved afarthrough the storied East, And held on her hills my solemn feast; Through her cypress groves my voice was heard. In the music sweet of my fav'rite bird; Each plain I have clothed in sunlight warm, And slumbered in peace 'ineath the desert palm; A garment of light to the sea I gave, And melody soft to each rushing wave.

I come! I come! with the song of the thrush,
To wake with its sweetness the morning's litush;
To hang on the hawthere my blossoms fair,
And strew o're cach field my flowrets rare.
The lark, he is up, on his heavenward flight,
And the leaves are all genum'd with diamonds bright;
The bills are all bathed with purple gold,
And the bleating of flocks is heard from the fold.

Go forth! go forth for the spring time is come, And makes in the North his bright suony home; The sky is his hanner—the hills his throne— Where in sunshine robed, he sits all alone; In the depths of the woods his footsteps are seen By each moss-cuvered rock and tell-tale stream; And his voice is heard through each leaf-clad tree, In the plaint of the dove and the hum of the leer. Graham's Magazine.

STANZAS.

Why does the rose conceal the thorn,
And fairest flow rets hasten from us—
Delusive pleasure never yields
One half the joy she seems to promise.

Say, why so much comingled is Life's every scene with joy and sorrow; To-day our cup o'erflows with bliss, 'Tis filled with woe and tears to-morrow.

"Tis hetter thus, or we should cliag
With madness to time's fading pleasures,
Our light affictions are to bring
Our hearts to seek enduring treasures.
Yes, just enough of grief is given,
To lead earth's wandering sons to heaven.

From the Farmer's Cabinet. IIcssian Fly and other Wheat Insects

In the last two numbers, 6, and 7, of the current volumes, 5, of the Cabinet, and also in some former volumes, several communications have appeared, treating of the Hessian fly (occidenty)is destructor of Say,) but I shail pass them by, inasmuch as the natural history of that insect has, for a considerable time

past, been as crearly ascertained as that of any other The first publication that I know of, is by whatever General J. H. Cocke of Virginia, dated 1-17, which describes the fall deposit; see American Farmer, Vol. L, p. 296. The second is by myself, dated 1st February, 1820, also describing the fall deposit; see same work, Vol. II., p. 170 The third is by Dr. Isaac work, Vol. II., p, 1-0 Chapman, communicated to the Agricultural Society of Bucks county, 14th August 1820, said to have been written in 1797, stating its appearance in Bucks connty in 1786, and its progress for some time afterwards. also describing its several changes and habits; but the Dictor has only noticed two generations, having blended the second and third together; Sec Memoirs of the Philadelphia Agricultural Society, Vol. V. fourth, by myself, dated 12th February, 1821, which traces the history of the insect throughout the year; sec American Farmer, Vol. 111. p. 1e7. The fitth is by myself, dated 1st June, 1821; see same volume, p The sixth is by myself, duted in 1823, treating of the fly and three other insects injurious to the wheat erop, and proposing a remedy; see Memoirs of the Pennsylvania Agricultural Society, p. 165.

I refer you to all of the abovementioned papers, particularly the last; but as many of your readers may not have an opportunity of seeing them, I will transcube what I deem to be essential.

The II ssian fly, I believe first made its appearance on Long Island, N. V. in 1776, or soon after the Hes-sians were there, and is supposed to have been introduced among some straw which they brought with them; hence the name; but the late Judge Peters, that great fliend and patron of agriculture, in his notices for a young farmer, says, that the insect was unknown in Hesse, "that its name does not prove its importation, for that appellation was bestowed during our revolutionary excitements, when every thing we dis-liked was called Hessian. The insect has been accurately described by Mr. Say and Dr. Chapman; but Mr. Say was mistaken respecting the deposit, as the anerture which he noticed in the sheath of the leaf was occasioned by the insect passing into the winged state, and not perforated in the act of depositing its The fly is of a dark e dor, about the size of the mosquito, and the male much like it except the wings; the body of the female is larger; the wings rest hou zontally, and where they join the body are almost pointed, gradually expanding towards the other end, The egg is where they form nearly a semic rele. scarcely discernible to the naked eye, is oldong, of a pale red or amber color, and placed in the gutter of the lest, from half an inch to an inch or more from the stalk; the caterpillar, of a pale red color, is hatched in a lew days time (according to the state of the weather) and passes down the leaf to its junction with the stalk, thence between the sheath and stalk, to near the root or joint; it there becomes stationary, feeds on the supof the plant, and, being blene ed by its covering, is mistaken for the egg. The first deposit takes place mistaken for the egg. The first deposit takes place from the fifteenth to the last of April (as the season may be) changes to the papa from the first to the mildle of May, and evolves in the winged state, the latter part of that month. The second generation commences from the first to the undille of June; the fly chooses the stanted plants, and deposits both on the top and un lerneath the upper leaf, and the larvæ pass to near the two upper joints, but are found mostly about the upper, and in such numbers as many perish for want of food, the increased number being so dis proportioned to the plants which suit their purpose; I have counted upwards of two hundred eggs on a single leaf. The third deposit is made in the manner of the first, and commences about the fifteenth or later in August, and is continued on until cold weather: The irregularity of this generation is occasioned by the various stantions in which the papa of the second is thrown, it is lodged in the straw of the stunted plants, so that in harvesting, much of it is scattered about the stubble-fields and the rest is carried to barns or stacked; such as is early exposed to heat may produse a fourth generation, whilst that which is covered till winter may not give a third.

On one sweining ally in the act of depositing, I secured it, and on examination (making the best calculation that I could, and not knowing whether it had deposited any eggs before) I supposed it to contain one hundred eggs: I such be the fact, the first deposit would be one hundred; the second ten thousand, and the third one million, all in the course of o ie year; happily, however, they have enemies which vastly reduce their number.

The only plants, according to my observations, which are subject to the depredations of the fly, are wheat tye, and barley; rye, owing to its early spring growth, is not much injured; grains should be sown

(in this chimate) about the first day of October, as that sown afterwards suffers more from the winter than the fly.

tly.

The only remedy which I have any confidence in, must be applied to the second or summer generation, (it is the only one that I think can be assailed with any prospect of success) whilst in the pupa state, by plough ing the stubble-fields before putting in the next crops in that case, grass seed could not be sown among the grain; but by changing the course of cropping, beginning with wheat, rye, or barley, followed by corn, and ending with outs and grass, the difficulty might be avoided: nor need the stubble be ploughed till towards the first of April, or any time during the winter; plauts about stacks and other places, must also be attended to; and let it be remembered that farmers must pursue the same plan, as it is vain for a few individuals to attempt an object, whilst thousands are united to oppose it. I will further observe, that the surest way to raise a good crop of any grain subject to injury from the fly, is to put the lands in a proper state of cultivation, as where that is the case, and when the season proves favorable, little or no damage will be sustained, although the fly may be very numerous, as it certainly is every year. It is folly to sow wheat on a poor

The insect described by Miss Morris is not the Hessian fly, and I think she is mistaken in the manner of depositing its eggs, it appears to be the same as that noticed by me in 1823; it has three generations in the course of a year, and is observed a few days earlier than the Hessian fly, and the same remedy may be applied to both; the spring and fall generations are to be found near the roots of the plants, and the summer are at the several pints. There is another insect lodged in the straw above the upper point, which causes the preunature appearance of ripeness of the head and prevents the gram from forming; it has not yet done much might rev. but may hereafter increase.

ry, but may herealter increase.

There is also an insect which attacks the roots of wheat and causes the stunt or sedge; it is probably a species of aphis, and the remedy must be applied to the soul. I would recommend salt or ashes; perhaps lime might be good.

JAMES WORTH.

Sharon, March 1, 1541.

The Artesian Well at Paris.

Late accounts from Paris mention the complete suc cess of obtaining water from beneath the beds of chalk which underlay that city, after seven years of assiduous toil, and an expenditure of one hundred and sixty thousand francs. The depth is variously stated-one account makes it 1837 feet. The iron rod of the auger was "as thick as an ordinary axle tree" (just the thickness of a lump of chalk;) and "on the 26th of February," at the moment of withdrawing it, a copions gush of warm water followed. The temperature was 860 of Farenbeit. Warm baths for publicaccommodation are to be constructed. The engineer was honored with a decoration, and he is to be employed on three other such wells. Enthusiasm was at its height. Manisters had been to see it. Crowds had carried away portions of the water in vials and bottles, and some and shared themselves in public with the warm fluid!

It has long been supposed that the central parts of the earth consist of melted matter at a high temperature; and experiments in deep mines have invariably shown an increase of heat with an increase of depth. The mines of some countries however, are warmer * than the mines of other countries, at similar distances below the surface; and this might be reasonably expected from chasms which allow the heat to rise through them in some places, and from thick masses of solid rock which resist its ascent in other places. In the mines of Cornwall, at 962 feet the water was at 71°; and at 1200 feet at 78°. This shows an increase of one degree to 593 feet.

It had been calculated however, by Cordier that 51 feet correspond to a degree in France; and that the depth at which water would boil from the natural heat of the earth under the city of Paris, is 8212 feet, or nearly a mile and a half.

* Coolier admits this may be twice, or even thrice, as great in one country has another.

In applying this rule for calculation, we must commence with the temperature of the earth near the surface; and if we assume this at 50 $^{\circ}$, and divide 1837 by 51, the quotient (36) added to 50 will give the observed temperature with great exactness.

Warm springs may therefore only indicate the great depths from which they rise; or they may derive their heat from volcanic action in the neighborhood.

The temperature of the sea, on the contrary decreases with its depth; because if the rocks at the bottom were even at the boiling point, the heat would be speedily carried up to the surface, and colder portions of the water immediately come in contact. The coldness of the sea therefore, constitutes no argument argainst central heat. But the water under the great basin at Paris could not escape till the reservoir was tapped, and consequently the heat was retained.

Farmers -- their independent condition-their happy exemption from the evils of the times.

Messas. Entrons—Blessed is that man who from his own farm can, by ordinary industry, procure all the comforts and necessatics of life, and sleep contented.

Look at the great mass of speculators, and see what is their condition. The country brought to the brink of ruin by their example; new varieties added to crime by their high handed practices; the whole trading and manufacturing community paralized or embarassed, solely by the consequences of their inflations!!!

In excluding farmers from sharing the evils of the times, I do not mean him who has left his legitimate selling to join in speculation, nor him who with the poor ambition for banking, lends his title to fee simple, as if he were only eager to join in the general ratio. But, I repeat, blessed is that man who is contented to receive from his own farm, those comforts which moderate industry never fail to procure. To him alone is permitted the heart to feel, and the eyes to see, the true glory of heaven at night, and the brightness of the earth in the morning. No fevered dream poisons his sleep; no rising sun wakes him to grinding responsibility, diminished self-respect, ruin and diagrace.

If he loves reading and study, rainy days, long evenings, and the hours of rehandion from his daily task, give him sufficient leisure. If he lacks books, the School District L brary alone, enlarged as it now is, contains a store house of useful and even scientific knowledge. If he loves agricultural chemistry, his farm is a laboratory in which, with little aid from the schools, he may most delightfully unite the utile with the dalci.

S. W.

The only things in which we can be said to have any property are our actions. Our thoughts may be bad, yet produce no poison; they may be good, yet produce no fruit. Our riches may be taken from us by misfortune, our reputation by malice, our spirits by calamity, our health by disease, our friends by death; but our actions must follow us beyond the great. These are the only title-deeds of which we cannot be disinfacilted.—Laton.

From the American Citizen.

British Corn Laws.

Having seen with much satisfaction, several articles in the American Cuzza, on the oppressive nature of the English Corn Laws, I am induced to send the following tables, taken from an old newspaper which accident lately threw into my hands.

"Excused Cons. Laws.—The N. Y. Courier says: the following accurate and very valuable table, exhibiting the rate of duty per barrel on flour imported into England, was prepared several years since, by a high-yintelligent American merchant, then residing in Liverpool. Its accuracy cannot be questioned, and we consider it a table well worthy of preservation by all who are in any way interested in the exports of bread stuffs to Great Britain, under the present existing Corn Laws of Great Britain. Act 9th, George

thap, 60, the duty on foreign wheat is as follows, when the average price of wheat is at and

* —		
er qr.	Duty per qr.	Duty per bbl. on fi
3.	s. d.	s. d.
73	1 0	0 7.7.32
7-3	1 0 2 8 6 8	1 7.1.4
*1	6 S	4 0.1.8
70	1 0 2 8 6 8 10 8 13 8	6 5
59	13-8	8 2.21.33
is	16-8	8 9.91.33 10 0.5.16 11 9.3 4 12 5.3.16 13 0.13.32 13 7.5.8 14 2.27.32 14 10.1.6
57	18 8	11 2.3 4
56	20 8	12 5.3.16
55	21/8	13 0.13.32
64	22 8	13 7.5.8
33	23 8	14 2.27.32
23	24 8	14 10.1.6
\$1	21 8 22 8 23 8 24 8 25	15 5.9.32
30	26.8	15 5.9,32 16 0
210987654321098765432109876	27	16 9.23.32
8	28 8	17 2.15.16
§ 7	29	17 10.5.32
6	30-8	10 5 2 2
5	31	19 0.19 32 19 7.26.22 20 3.1.32
64	32 8	19 7.26.22
3	33	20 3.1.32
25	34 8	20 10.1.4
51	35	20 10.1.4 21 5.15.32 22 0.22.32 22 7.29.32
-0	36-8	22 0.22,32
.9	37	22 7.29.32
8	3러 용	23 3.1.8
7	39	23 10.11.32
6	40 8	24 5.9.15
15	41	25 0.25.32 25 8
184	42 8	25-8
13	43	26 7.7.32

barley and Indian corn, if the average price is and under 31s., the duty is 12s. 44, per imperial er, and for every 1s. per qr. that it advances, the s decreased 1s. 6d., until it reaches 41s. per qr., ich price and upwards, no more than 1s. per qr. ed; and the duty increases in like manner 1s. 6d. as the price declines Is, or part of Is, under ber ar.

onte, if the average price is 25s. and under 26s ., the duty is 9s. 3d. per qr., decreasing 1s. 6d. . as the average price advances Is, until it reach-,, when at that price or more the duty is only r gr., and in like manner it is increased Is 6d . for every 1s or part of 1s, per qr, the average es below 24s per qr.

the convenience of those who do not readily distand quarters and sterling money, I have prepae following tables, exhibiting the rates of duty ishel in federal money, together with the duty fur per bbl in federal money, so arranged that they rispond with the preceding table, and will be at

under stood.	I nue when	wheat is at and over-
	duty per bush.	on flour per bbl.
cts. m.	Sets. m.	\$ cts m.
02.6	02.8	13
99.8	04.9	35.2
99 0	18.5	88.8
942	29.6	1 42.4
91.5	37.9	1 81.3
88.7	46.2	2 22 0
85.9	51.8	2 47.9
83 1	57.3	2 75.7
89.4	60.1	2 88.6
77 6	62.9	3 01.6
74.8	65.7	3 14.5
72.0	68.4	329.3
69.3	69.4	3 42 2
66 5	74.0	3 55 6
63.7	74.9	3 68 6
60.9	79.5	3 81.1
57.5	80,5	3 95 9
55.4	85.1	4 08.8
52.6	86 0	4 21.8
49.6	90.6	4 34.8
47 1	91.6	4 49.6
443	94.9	4 62.5
41.5	97.1	4 75 4
38.7	1 01.7	4 88.4
35.9	1 62.7	5 01.4
33.2	1 07 3	5 16.1
30.4	1 08.2	5 29.1
27.6	1 12.8	5 42.0
24.6	1 138	5 55.0
22.1	1 18.4	5 69.6
19.3	1 19.3	5 90. 2
lom en iner	action of the	shove tables it will

on grain; consequently shippers generally send wheat in bulk to England, unless the price is very high, when the duty is so small as to make the freightage more than counterbalance the extra duties. At best, however, it is but a hazardous business, and often attended with ruinous loss to American exporters. The extra duty on flour is no doubt intended as a sort of protective tariff to English flour manufacturers, and is abundantly characteristic of English that and states I have no wish to make comments now; the time is coming when this subject will be canvassed in all its parts, and an administration elected that will put forth all its powers to procure either a total repeal of these unjust laws, or such a modification of them as will justify American merchants in seeking the ports of Great Britain as an available market for our increasing surplus of bread stuffs

J. H. HEDLEY.

Castor Oil Bean -- Sun Flower Seed -- Cotton Seed Oil.

Messas, Epirone-You ask if the Castor Oil plant will come to full maturity in our climate. As the Ricinus communis) enster been, is a tropical plant, it is hardly probable that it will attain its greatest perfection in our climate. There are many tropical plants which perfect their seed in our climate, without attaining the enlarged growth of the terrid zone.

Half an acre of sun flower seed was planted in this vicinity last sesson, with the intention of using the crop for oil. The seed was planted on a strong muck soil about the first of June; it grew very large, but continued green until September. When harvested, the fall rains had commenced, hence it was got in in bad order. It was a little neglected, and the seed get monldy and spoiled.

Had it been planted earlier so as to have been harvested and threshed with our flax seed crop in August, I think the success of the experiment would have been

I was told by a white lead manufacturer of Pittsburg, that cotton seed oil, mixed with one-third spirits turpentine, made the best paint oil for inside work; it being much lighter colored than linseed oil. Why would it not answer equally as well for lamp oil, as castor eil mixed in the same manner with spirits tur-SENECA pentine?

Waterloo, N. Y.

Countervailing Duties.

The effect calculated to be produced by countervailing duties may be seen by the second resolution passed at the meeting of the American Chamber of Commerce held in England on the 2d of March of this year: in which a reduction of duties on the agricultural products of the United States, of flour, rice, tobacco, cotton, and other articles, is recommended, from the anticipation that the tariff in the United States would otherwise be angmented in the course of this year, on the manufactures of Great Britain; this anticipation being founded, doubtless, upon the discussions in the United States as to the suitableness of a policy of countervailing duties, with the view of bringing about a more liberal scale of duties on our products in England.—Nat. Intel. A. FARMER.

Resolved. That this Chamber, being composed of members deeply interested in furthering the commercial relations between this country and the United States of America, feel it incumbent on them to express their thorough conviction, that unless some imnortant modification of the existing duties takes place in respect to flour, rice, timber, tobacco, cotton, and other articles, the growth of that country, changes in the tariff in the United States will be introduced, in the cours of this year, highly injurious to the British uterests, and especially detrimental to its principal manufactures.

To Render wood Imperishable and Incombustible.

(FURTHER PARTICULARS.)

We last menth gave a somewhat detailed account of the remarkable discoveries made by Dr. Boncheric for om an inspection of the above tables, it will be preserving wood from decay and combustion. A late the words of Dr. Boucherie:—"As soon as I had discovered that a certain amount of moisture could be

the following additional information on this important subject, extracted from a pamphlet published by Dr. Boucherie.

" It is obvious that to render a power of preserving timber generally useful, it is necessary not only that the substance to be employed and the means of applying it should be extremely cheap, but also that the for-mer should be perfectly free from all unwholesome qualities. Among the many substances that occurred to Dr. Boucherie was the impure pyrolignite of iton, manufactured abundantly from refuse iron for the use of dyers, which the following experiment led him to believe would be perfectly efficacious. The soft fruit of the melon differs from hard wood only in the greater quantities of soluble matter which it contains; and as the decay of wood has been ascertained experimentally to be caused principally by its soluble contents, it appeared highly probable that whatever substance would preserve so perishable a vegetable sub-stance as the melon, would a fortiori act with energy upon timber. A melon then was divided into two equal parts, one of which was immediately placed upon a plate, and the other was plunged for n few hours into the pyrolignite, niter which it was laid upon a second plate by the side of the first. As usual, the unprepared half speedily became putrid; but the other gradually became dried up, and at last acquired the hardness of wood. Experiments upon saw-dust beet 100t, carrots, and flour, having given the same result, Dr. Boucherie proceeded to apply the pyrolignite to wood. To gain this object completely was his next Mere immersion will produce only a superinaniry. ficial effect and to force the pyrolignite into the tissue by means of pressure is too expensive. It occurred to him that the simplest, the most certain, and economical method would be to take advantage of forces of a tree while in full vegetation, and to present the pyrolignite to the lower extremity of the trunk, as if it were food to be taken up into the circulation. Upon trial, this mode of impregnating the trunk was found perfect; the pyrolignite rising rapidly through all the permenble parts of the timber up to the extremities. The method employed is simple immersion of the lower end cut off, when small arms of trees are to be operated upon; but when the weight of large timber nees prevents their being so treated, without expensive tackle, the following contrivance has been adopted .-At the ground line, a hole is bored, horizontally through the trunk, so as to open a passage from aide to side; a coarse-toothed saw is then introduced into the hole, and worked right and left horizontally, till about an inch in thickness remains undivided on either side; by which means nearly all the sap-vessels are cut through, and the trunk remains supported by two opposite points. The wound is then carefully closed ex-ternally with pitched cloth, except at one point, through which a pipe passes from a reservoir containing the pyrolignite. A few days in the summer or autumn are sufficient to saturate a large tree, for which purpose pyrolignite to the amount of about one twentieth of the weight of the green wood is required. Timber thus impregnated becomes so hard and tough, as to be very difficult to work.

Having thus ascertained the practicability of intreducing substances into the interior of trees without having recourse to any expensive process, Dr. Boucherie turned his attention to the possibility of increasing the elasticity of wood, and of diminishing its combustibility. He found that these most important results could only be arrived at by the use of a deliquescent salt. His experiments taught him that the elasticity of wood is generally in proportion to the quantity of moisture it contains, and that those qualities are universally lost when perfect dryness is produced. Such eases as appear to form an exception to this rule, are either dependent upon some particular structure of wood, or upon the alkaline salts which it naturally contains. Muriate of lime, an exceedingly cheap deliquescent salt, was employed with perfect success; a weak solution increases the clasticity and flexibility a little; concentrated solutions render those qualities excessive. Veneers of pine-wood prepared with a concentrated solution of muriate of lime became so plinble, that they could be twisted in any direction, or bent into a perfect spiral, without giving way. It appears probable that the same preparation will render wood durable; but in the absence of proof of this, a fifth part of pyrolignite is added to the muriate. ensting, splitting, and shrinking of wood, are all prevented by the same means; and what is of much greater moment, its combustible qualit es are almost destroyed. Upon this most interesting subject we quote the words of Dr. Boucherie: -- "As soon as I had

constantly maintained in wood by the employment of the carthy muriates, it became easy to conceive that by the same means I should not only dumnish very considerably its inflammability, but also render the e abastion of its charcoal difficult in consequence of the meiting of the enthy salts at its surface and in its substance; and so it is. Wood prepared with these salts catches fire with great difficulty, and burns to ashes excessively slowly; so that it may be regarded, for practical purposes, as incombastible. Two cottages (cabines) exactly alike were constructed; the one with prepared, the other with unprepared wood. them on fire, an equal quantity of combustibles was employed. The latter was burnt to ashes, while the inside of the other was hardly charred, the fire having been unable to maintain itself. These, and other facts lead us to conclude that confingrations might be rendered almost impossible, except in consequence of the inflammable materials that houses may contain.

Remarks.-As some of our readers will doubtless desire to test this subject by experiments, they will naturally inquire. How the necessary ingredients can be obtained? We therefore subjoin a few remarks. kindly furnished for the purpose by Professor Dewey. -EDS. N. G. FAR.

The pyralignite of iron is used chiefly by calico printers, and may doubtless be procured in those secions of our country where the manufacture of calicoes is carried on. It may be readily formed too from the pyroligneous seid and filings of iron. The pyroligneons acid is produced from the distillation of wood, and is the liquid which drops from many stove-pipes when green or wet wood is burned. A few years ago it was abundant in the northern States under the popular name of essence of smoke, and used for the curing of hams, instead of the common process of smoking them. This acid can now be obtained at Messrs. Hawks, druggists, in this city, and probably at other places; and the pyrolignite of iron can easily be made (ns mentioned in the former article on this subject, p. It would be premature to decide upon the merits of the discovery of Dr. Boucherie. High authority has given it support. The subject deserves a fair and full trial. The pyrolighite of iron seems to be commended for its cheapness. It is not improbable that a solution of copperas will produce the same result; and salt which will not materially be decomposed on mixture, may be still more profitably employed.

REVIEW OF THE MARKETS. NEW YORK, APRIL 28.

CORN EXCHANGE.-Flour has moved but slowly, and CORN EXCII A VAICE.—Plour has moved but slowly, and this has been the case generally through the win'rer; yet the very large stock which was in store last fall has almost all gone off, so that now not more than a ten days' supply re-mains. The price of Genesee and Ohio is at \$194 a \$8, scarcely any thing to be tall however at the lowest price.— Troy is selling feely at \$1 \times, Ohiobigan there is none.— Georgetown odd for exportation at \$1575, Howard Street \$175. Rye Flort, \$255 a \times; Corn Med., \$275 ber bit.— Several parts of Genesee and Ohio Wheat have been sold at 95 cts, her but, say 20,000 bushels in all, and both bushels to the very prime I jets, but more. By and Courage takes sacree the last sale of Rye was at 55 cts time and innerest, but for was demanded on parcels to arrive. Corr closed at 51c, weight, with several sales at that price. There is but futle change in Oals. Northern are 30c, Jersey 31c, and South-bushel in Oals. Northern are 30c, Jersey 31c, and South-bushel in Oals.

ern 26 a 27. SEED5.—Clover is very dull; 12 tierres, not free, sold at 6½ ets. 96. Timo by sells at \$25 a \$26 toe in lots. Some

Clover is exporting.

CATTLE MARKET -APRIL 26 -Beeves-00 at market. 300 were from the South, balance from this State-sales reached to 750 at \$7 to \$9, averaging \$5 per cwt, with a fair demand. and Colves .- There were 110 offered, 110 of which

Cown and Garcs.—There were 110 others, 110 of which ere taken at \$20 to \$10 each.
Sheep an I Lembs = -50 at market, 110 taken; Sheep at \$2
85, an I Lambs at \$2 to \$2 each. Good demand.
II ΛX .—Sales by the load at 75 to $87\frac{1}{2}$ cents per ewt.

ENGLAND.

The steam ship Columbia brought Liverpool advices to the 4th utlino. Foreign Grain and Floar were somewhat depressed in prece. A sale of Sub hards Iv. S. Flour had been made in both at 23 shiftings, being a decline of one shifting per hardel since the previous advices. This price, it is said, would not net to the shipper \$1.30 per barrel in New York at the present rate of revolutions.

CINCINNATI, APRIL 22.

Sales of Flour were made at the canal at §3.53, which is a slight a lyance; the receipts were small. The produce market was animated—sales of 50,000 his bacon, hog round sold at 1½ cents, each; and 250 kegs had at 6½ cents, each;

THE IMPORTED HORSE "ALFRED,"

THE IMPORTED HORSE "AFFED,"

Will stand this se son, commencing on the 120 of May,

V at the stable of Mr. Redney Russell, adjoining the oil

Morton Farm, East Bloomfeld, Ontario co., as follows, vizz.

Proo We hies lay, May 120, to Thes lay, May 14th: fo as

We heselay, May 26, to Fuesday, June 14t; from Welnes
day, June 5th, to Tues lay, Jane 15th; from Welnes
day, June 5th, to Tues lay, Jane 15th; from Welnes
layd, to Tues lay, June 26th; from Welnes
layd, to Tues lay, June 15th; from Welnes-lay, July, 10th

Tues lay, July 13th, and at Mr. G. Furden's, near Geneva,

the interme flat time.—TERMS, the same as last reson,

Rochester, April, 18th. THOMAS WEBBLE.

RITTENROUSE & BLACKWELL'S PA-TENT CLOVER SEED MACHINE.

TENT CLOVER SEED MACHINE.

This is acknowledged to be the most perfect and portable machine now in use, for cleaning clover seed. It only weights about 300 lise, and is of fees size than a common faming mill. It is as easily kept in repair as a threading machine; and when the teeth are winn smooth, new irons can be furnished by the natural corress.

This machine thouse nor and this above for Seventy-Pice

This machine with return section of the for Seventy-Pive York, for Eighty Bollars, or at this place for Seventy-Pive Bollars, (payable on delivery,) with right of use for the pur-chaser alone.

The following certificates, from gentlemen of the highest

respectability, are given as evidence of the utility of this machine, and of its reputation to this vicinity.

WEST PAYETTE, March 8, West FAYETT, Alarch's, 641.

1 certify that I have used Rittenhouse & Biackwell's Platent Claver Machine, by horse power, for the two last seasons; and have no besitancy in saying that I believe it to be the most simple of construction, and can be kept in repair with most simple of construction, and can be kept in report was as little expense, and will perform the lest of any lhave seen in use. I have builted, ready for the faming and, when the chaff was in good order, with a cylinder two feet four inches in length, at the rate of seven bushels of seed per hour.

NATHAN SAEGIER.

Hysry Ville, Tompkins to, N.Y.A., SARGUER,
I have used for two seasons past, and am now using, propelled by water power, Ritenhoises & Bankwierf's Patent Clover Machine, and am well pleased with its peformance, and give it a decidel preference over any machine that I have seen for cleaning clover seed.

NICOLL HALESFY.

FAYETTE, Seneca co., Jan. 27, 1-11. This is to certify, that I have had one of Ritenhause & Blackwell's Patent Clever Machines attached to horse power in my barn, and in farty muntes it halled out of the chaff, reclushels and a half of clover seed, realy for the faming mill SAMUEL THOMAS.

A. M. Hern, of this place, is agent for the transaction of A. J. HTER, or this page, is agent for the transaction of all husiness relating to these machines. All letters addressed to him (nost paid) will receive prompt attention. He has full power of attorney, and will self rights for toxins, com-ties, or states, on very favorable terms. Orders for machines should be sent early in the season

Waterloo, Seneca co , N. Y.

Delli V. BLACKWELL

Proceeding the Communication of the Communic P. S.-Dr. George Lewis of this place, has the agency for the state of Michigan, and for the countres of Eric Chatan-qua, Cattaraugus, Cheming and Troga, N. Y. J. H. V.

A FARM & COUNTRY SEAT FOR SALE. A FIRST RATE Farm, with new Buildings and Fences, stuated only one and three-fourths of a mile from Roester Post Office, on the Stage Road leading from Monroe-

treet, east.
The Farm contains Lefty Acres of Excellent Land, most of

The Farm contains Urity Acres of Facellent Land, most of which is no heigh state of cultivation, a Two Story House, with a Wing and Columns in front, good Barn, Cartrage House, Ac., about 300 Bearing Fruit Trees of various kinds, good Water and Wood. More or less band can be had with the Buildings, it desired. A fine Hortenflurral Garden is now in progress adjoining said Lam. This property is wouthly the attention of a purchaser, either for farming purposes, or a pleasant place of residence, being near a good market, good schools and seminaries

For finther particulars, please apply at the house on said farm, or address, post paid,
C. INGERSOLL,
Rochester Post Office, N. Y.

Berghton, May 1, 1511

PLOUGHING MATCH!!

PLOFGHING MATCH!!

THIS is to certify, that, wishing to purchase the best
I Plough I could obtain, I proposed to Mr. Langworthy,
proprietor of "Whitings Wisconsin Praire Plough," and
also to Mr. Wright, proprietor of "Wright's Patent Gencee, Plough," to take a plough of each of their manufacture, and give them an impartial trial before purchasing
either, which I accordingly did. Mr. Langworthy requested,
I heing a stranger to hun, that I should select some of our
test farmers with ower unaquanted with either of the parties conserred, to puge of the merits of the planging, which I
came to the decision as appears in their certificate, with
which opinion I cordially concur, and therefore have purchased the "Whiting Plough". chased the "Whiting Plough" EDGAR F. BENJAMIN.

We, the undersigned, practical farmers, and residents of We, the undersigned, practical farmers, and residents of this town, being requested by Mr. Edgar F. Benjanna, to padge between. "Whating's Wisconsin Practe Phough," and "Wright's Patent Genesee Plough," (both made at Rochester.) After giving them a fair and impartial trial both in green sward and simble hands, do agree, that the "Whiting Phough" has the decided preference, both in doing good, clean work and the amount of power reprised to propel it. LARIEY WILCONS, STEPHENS II. FULLAM, STEPHENS II. FULLAM, SAMUEL BENJAMIN.

Perrinton, April 29, 1941.

PEAR AND CHERRY TREES. DAVID THOMAS

OFFERS for Sale the following select kinds which ripen in succession:—
Pruns: Madelcine or Early Harvest, Jargonelle, Julienne, Skinless, September, Seckel, Virgalien. Most of these are

of large size.

Cherries: Knight's Early Black—called Black Tarta-rian—White Tartarian, Black Crown, May Duke, Transpa-

rent Guign ., Carnation

Ornamental Plants.

Trees, shrubs, and harba cous perennials in great variety, thich will be sold cheep.

Greetfield, near Aurora, Cayuga co. 3 mo. 30, 1311.

BORRETTURE TREBERGROSS. RETT B. BERCHERE BERG.

FRUIT TREES, MULBURRIES.

THE subscriber offers to the public the usual very larger server of the public the usual very larger of the subscriber offers to the public the usual very larger of the subscriber of the public the subscriber of the subs

ROCHESTER SEED STORE--1811.

PATEHAM & CROSMAN, the proprietors of this we they have now on hand a general assortment of super-English and American SEEDS of the growth of 1840, as

English and American SEEDES of the growth of IsBI, as of their articles in their line of Instines.

For the FARM—their formeries of Corn, Grain, Grain, Grain, Start Reading of their articles in their lines of Cover, &c., and sense of their formeries of Corn, Grain, Gr

paragus and Pic-plant roots, Cabbage, Caubflower and other

paragrams one registration plants in delt season.

Junts in delt season.

TOUS ANTHORNEMENTS, of various kinds, forte from and Garden. And a large collection of valuate BDOKS on subjects connected with farming and gardening with order of the collection. stik culture, &c. SHK WORM EGGS-of different kinds, on hand in the

season.

ITATALOGUES gratis on application. Merchant
supplied with Seeds at wholesate, on liberal terms. Order
from a distance containing a remittance, or good city refer-

ence, will receive attention.

BATEHAM & CROSMAN. Arcade Hall, Ruchester, April 1, 1-41.

The Imported English Horse, "Emigrant," WILL stand for Mares the cusuing season, at the bara of Mr. C. Ashton, in Shelby, one mile west and halfs mile south from Medina, Orieans Co., where he has sted

the two last seasons.

It is but just to say that he is not probably surpassed by any horse in Western New York. Good palges who were at the Fair in Rochester, last fall, think that if he had been at the Farrin Rocketser, last fat, think until me had use there he would have taken the premium without any dook. He stark is right-ted by the start of the start of the start of the the start of the start of the start of the start of the to call and see.—He is extensively known in Livnesse, county.

J. SHERWOOD,

Medina, Orleans Co., March 9, 1541

ROCHESTER PRICES CURRENT.

R. L. CHASE

CORRECTED FOR THE NEW GENESEE FARMER, MAY 1, 1841. WHEAT,....per bushel,....\$ 81 a \$ CORN,.... " 41..... 25 371 BARLET,
RYE,
BEANS, White,
POTATOES,
" 50 623..... 22..... APPLES, Desert, ".....
Dried, "CIDER, barrel, 38..... 75..... 100..... 150 FLOUR, Superfine, "....4,123.....4,25 "Fine,"...3,75....4,00 ** Fine, *** 3,73 - 4,00 *** 5,00 *** 7,00 *** 1,00 *** 12,00 *** 11,00 *** 12,00 *** 11,00 *** BEEF, " 4,00..... 4,50 POULTRY,....per pound, 8,.... EGGS,per dozen,10..... BUTTER, Fresb, ... per pound121..... " Firkin,..." ... 10...... CHEESE...... " ... 6..... 121 LARD, " ... TALLOW, Clear, " ... 9 8..... HIDES, Green..... 5..... SHEEP SKINS, each, 874.... 1,09 PEARL ASHES, .. 100 lbs.. 5,00..... " " ..4,50...... WOOL, pound, 35 40
HAY, ton, 9,00 11,00
GRASS SEED, bushel, 1.50 2,00 CLOVER, "... (". 6,00... FLAX... "... "... 75... PLASTER, (in bbls) per ton, 6,00..... 871 bulk(at Wheatland)3,50

B. BATEHAM, F. CROSMAN,

Proprietars.

VOL. 2.

ROCHESTER, JUNE, 1841.

JOHN J. THOMAS, M. B. BATEHAM, Editors.

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Act of the legislature. Leeleg's Agricultural Cuemis-Valuation Sugrestion—The new of Ashes. Legislature Mineral Sugression—The new of Ashes. Legislature Mineral Sugression—The new of Ashes. Legislature Mineral Sugression—Sugression

An Arology.—Our paper was delayed a day or two this month, by an accident happening to the machinery connected with the power press on which it is printed.

To Delinquents.

There is a large amount of small sums due us from agents and post masters. They will greatly oblige us by remitting their balances without delay, so that we need not trouble them with a more particular call.

The State Law -- County Societies.

By a reference to the set to promote agriculture, as published in another column of this paper, it will b: seen, that where no society exists already, the County Clerk is required to give four weeks' notice of a public meeting for the purpose of forming one .-Notices have been given accordingly in a number of counties, and many societies will doubtless be organized during the present month. We repeat our request that the Secretaries will send us a list of their officers

Monroe County Society.

The Annual Exhibition of this Society will be held at Rochester on the 15th and 16th days of October. The list of premiums, regulations, &c, will be published soon, in handbill form, and circulated throughout the county.

Ontario County.

The Cattle Show and Fair of this Society will be held at Conandaigus, on the 12th day of October. The list of premiums and regulations has been published and circulated.

Genesee County.

This Society will hold its Annual Fair at Alexander en the 13th and 14th days of October. The list of premiums, &c. has been circulated, and may be had of the Secretary, C. P. TURNER, Esq., Batavia.

Remedy for the Turnip Fly.

The following simple mode of guarding against the depredations of the Turnip Fly, if not new, is certainly not generally known, and may be of great benefit to some of our readers:

MESSES. EDITORS-It is well known that the great enemy of the Ruta Bags (and other turnip) crops is the small flea or fly that destroys the plants almost as soon os they appear above ground; and so this crop is becoming extensively cultivated, it is very important that some method be devised and made known for guarding against this insect.

I have long been in the practice of raising Ruta Bogas, and for the past five years have not failed of obtaining a good crop. My mode is simply to soak the seed 24 or 48 hours in Tanner's Oil, and then roll it in Plaster to focilitate the sowing. A very small quantity of oil is sufficient, as it is only necessary to meisten the seed thoroughly, and allow it time to penetrate. The offensive odor of the oil is imported to the seed, and the first leaves of the young plant are so impregnated with it that the flies will not eat them. I have frequently tried the experiment of sowing a small quantity of seed without any preparation, and have almost invariably found those plants nearly or quite destroyed, while those from the prepared seed escaped uninjured.

To the incredulous I would say, the trouble is but little, the expense nothing-therefore, try the exneriment.

The oil does not seem in the least to injure the vitality of the seed. I have known it to vegetate well after seaking ten days in the oil; but I think two days is sufficient, and prefer it to a longer period.

L. B. PARSONS.

Perry, N. Y. May 26, 1841.

Hints for the Month.

Among the most important operations this menth, is the sowing of ruta baga seed. Farm rs who want an excellent and cheap feed for their horses and store cattle, and especially those who have been sadly pinched this spring for hay, &c. must not emit the proper sesson.

But, one thing must be remembered-that ill suceess is nearly always to be attributed to bad management-and not to the nature of the crop itself. Where the soil has been well enriched by previous manuring; is not too wet; has been well mellowed by frequent ploughings and barrowings; the seed planted as early as the middle of the month-and rolled smooth where

the surface from the stiffness of the soil may incline to be cloddy, to prevent the fly-and where the weeds have been completely destroyed at the outset, and kept out of the field, -failures have been extremly rare. Planting in drills, ridging, or sowing broadcast, are of secondary consideration, though drilling is to be preferred where practicable; and ridging is useful on shallow soils, or those inclining to too much meisture. Of different operations already commenced and in

progress, the following must be closely attended to :-Keep your beet and carrrot crops perfectly free from

weeds, especially when they are young. Thin them out at proper distances in the tow.

Give corn fields carly and frequent cultivation. And remember that fire or six early dressings, to corn. or any other crop, are quite as cheap as one tedious and laborious one, after the weeds are a foot high and ss thick as grass on a meadow;-

And benefit the crop incomparably more.

And in all werk with hoes, remember that a touch en the grindstone, at least once a day, is strict economy, and great comfort to the laborer.

Canada thistles must be moved before seeding to prevent spreading; -and to destroy them, keep them constantly below ground by ploughing or otherwise. and they will soon be smothered and destroyed.

All other troublesome weeds should be watched. and destroyed.

Keep in mind the importance of frequently stirring the soil about cultivated crops -and let all young and newly transplanted fruit trees be well hoed about, and kept clear of all grass and weeds.

The Weather of May

Has been no less remarkable than in the preceding menths. The temperature of the first half was 44.98. of the second helf 63,04. Of May 1840, was 50,62, 64,87.

The first half centinued to be cool, vegetation made very slow progress, some trees and plants shot forth their flowers and their leaves. From Thursday the 20th, when the warm weather began to appear with some power, vegetation put forth with astonishing rapidity, plums, cherries, apples and quinces followed in rapid succession, indeed some apple flowers oppeared with the late peach blossoms. The same plum trees which last year blossomed fully on April 26th, were this vest in full bloom May 21st. Some cherries blessomed fully in the morning, began to drop their petals in the afternoon, and the next day showed clearly their fruit. The leaves and flower stalks of the Horse Chesnut burst forth on the 21st, and in four or five days the blssoms were fully formed. The rapidity with which the forests were covered with foliage, was unparalleled in this region. The earth was covered as in a day. with its verdant carpet. It required constant attention to keep up with the profusion and variety of the flowers. In ten days more the senson will be nearly as forward as usual. The mean temperature of the month was 45,30, and of 1840 was 57,97. The Barometer has stood almost at the same point, 29,59, for C. DEWEY. the last half of the month.

Pear Trees.

We find pour trees in less demand than almost any other article in the nursery. Why should this be so ? The pear is one of our most delicious fruits; though from the scarcity of trees in the country, it is not improbable that many cultivators have never tasted the better kinds.

As an excuse for neglecting the pear tree however, we have often heard it said, "they are so long before they begin to bear." Now this is the very reason why they should be planted without delay-why no time should be lost.

The remark however, is only true in part. Some pear trees indeed, like the Bergamot, require much time to get ready; but others, like the Julienne, appear to come into bearing as soon as the apple tree; and this trait of character is certainly of no less importance than the color or the size of the fruit, which pomologists are always so careful to mention. If the time required by each kind to come into bearing, was generally known, purchasers of young trees could be much better accommodated. Delicious sorts would in all cases be wanted, but we could well afford to wait several years for the Summer Rosc, the Rouseelette de Rheims, or the Belle et Bonne, to grow large and get ready, when Williams' Bon Chretien, the Summer Frankreal, or the Bloodgood, were bearing in the mean time. Of 81 sorts noticed by Manning in his " Book of Fruits," 17 are mentioned that " come early into bearing," though several belonging to this class, he has not marked; and at this time we have in the nursery, many trees of the Juhenne, not more than six or seven feet high, in full flower. Grafts of this variety, of the Cushing, of the Johonnot, &c. set up on old stocks, bore in two years.

The pear is one of our hardiest fruit trees; and so far as our observations have extended, it is neither subject to the attacks of the caterpillar, nor the borer. Some perish however, with the fire-blight; but it should not be allowed. The owner has as much right | judice and given a disrelish to the business of farming, to complain of bad luck when he stands by while his cattle are destroying his young trees, as he has when he stands idle, without reaching forth a hand, while Scolytus pyri destroys his old trees. Possibly however, there are two kinds of fire blight; but be this as it may, many of our trees have stood more than twenty years, without any losses of consequence, though the fire-blight has been several times amongst them, -owing entirely as we believe, to this circumstance; we have cut off the dying limb, and burnt it without delay.

Ripening of Pears.

After selecting the article on this subject from the Gardener's Chronicle, which appeared in our last number, we brought two kinds of pears from the cellar, where they had remained all winter as hard as when they were taken from the tree, and placed them in a warm room. In about ten days, one sort which had been as green as grass, changed to a golden yellow, and became melting and delicious. An accident has prevented us from giving the name. The other sort also softened soon after, and was considered fine; but it is clearly a misnomer.

In winters past we have had several kinds of pears in the cellar, that either rotted or were thrown to the pigs in the spring, which we are now satisfied would have ripened in a warm room.

For the New Genesee Farmer,

"Grubs in Cattle."

Messas. Entrors-Perhaps your correspondent, Mr. Miller of Ohio, will find a satisfactory answer to his inquiries on the above subject, in the remarks on "Bots and Horsa Bees," in the last two numbers of the Far-

of the goad fly or gad-fly, so often seen on the backs of cautle in summer, the scientific name of which is Oestrus boris, or the Ox-stinger. The eggs are deposited in the skin, and the larvæ produce considerable swellings on the backs and sides of catale. They irritate the flesh, and become a disease, often painful, weakening, and emaciating to the animal. There is not any preventive of their deprodations, or any remedy for their action, which has fallen under my eye. Their effects are much more powerful upon poorer and weaker cattle, and perhaps their eggs are laid with grea er ease in such animals, or that they may meet with less resistance from weaker cattle. If such is the fact, the farmer will find the grand precentive in the good strength and power of the animal, and the best remedy in the good keeping and consequent vigor of his cattle. Let him not winter any inferior animals, either of eartle or sheep, as both these seem more subject to suffering from the larvæ peculiar to them.

Rochester, May, 1841. C. DEWEY.

From the New England Farmer. How can Farming be made Profitable !--

Subsoil Ploughing. of E. Phinney, Esq. to A. Hundington, Esq., pub-

ciecy, 1540. A. HUNTINGTON, Esq. - Dear Sir - The question is often asked, How can farming be made profitable? I answer, by liberal manuring, deep and thorough ploughing, and clean culture. I will venture to athim, without fear of contradiction, that no instance can be cited, where a farmer who has manured his grounds highly, made a judicious use of the plough, and cultivated with care, has failed to receive an amde remuneration for the amount invested-nay more, that has not received a greater advance upon his outlay than the average profit derived from any other business. One great difficulty is, that most farmers seem not to be aware of the fact, that the greater the outlay, to a reasonable extent, when skilfully spplied, the greater will be the profit; they therefore manne sparingly, plough shallow, and the consequence is, get poorly paid for their labor This has raised a preespecially among those who are in the habit and are desirous of realizing something more from their occupation than a naked return of the amount expended

The farmer who is so sparing of his manure that he can get but thirty bushels of corn from an acre. gets barely enough to pay him for the expense of cultivation; and in addition to this, by the ordinary method of ploughing, his field, at each successive rotation, is deteriorating, his crops becoming less, and in a few years he finds he must abandon his exhausted and worn out fields, to seek a subsistence for himself and family in some other business, or in some other region, where the hand of man has been less wasteful of the bounties of nature.

Instead then of his scanty manuring of ten cart loads to the acre, which will give him but thirty bushels of corn, let him apply thi ty loads. This additional twenty loads, at the usual price of manure in this part of the country, will cost him thirty dollars. But he now, instead of thirty bushels of coin, gets sixty bushels, and the increased quantity of stover will more than pay for the excess of labor required in cultiva ting and harvesting the large crop over that of the He has then added thirty bushels of corn small one. to his crop by means of twenty loads of manure, which at the usual price of one dollar per bushel, pays him in the first crop for his extra outlay. His acre of land is laid to grass after taking off the corn, and the effect of his twenty loads of additional manuring, will be to give him, at the lowest estimate, three additional tons of hay in the three first years of mowing it, worth at the result. His thirty dollars expended for extra manuring was paid for in the first year's crop, and at the end of three years more he will have received forty-five dollars profit on his outlay of thirty dollars: and in addition to this, his land is improved, and in much better condition for a second rotation. There is no delusion in this. It is a practical result, of the reality of which any farmer may satisfy himself, who will take the trouble to try the experiment.

From no item of ontlays can the farmer derive so ample and so certain a profit, as from his expenditures for manure to a certain extent. This has been most

farmers. It is not uncommon among some of farmers in that town, to put on their grounds one hi dred dollars' worth of manure to the scre, and in me instances than one, the gross sales of produce fire ten acres under the plough, have amounted to h thousand dollars in one season. This is the result high manuring and judicious cultivation of a s too which is exceedingly poor and sandy.

The subject of subsoil ploughing is one upon whi there has been little said, and less done, in this part the country. In all our grounds, except these whi are very loose and sandy, there is no doubt that git benefit would be derived from the use of the subs plough. In England, the effect of subsoil ploughi in increasing their crops, as stated by some agricult ral writers, would seem almost incredible. By tl means, the crops in that country have been double and in a any instances trebled. The expense howe er, is stated to be very great—so great, as to be beyn the means of most of our fatmers. In one case texpense of subsoil ploughing on a farm of over fi hundred acres, was estimated by the owner to cost t enormous sum of thirteen hundred pounds sterlin This calculation took into consideration the use of t heavy Deaston plough, which always required for and in some stiff clays, six horses to work it. I a aware that an implement might be constructed, which though it might not do the business quite so we could, nevertheless, be made highly beneficial in the hands of our farmers, and obtained at a far less con a m informed that Mr. Bosson, of the Yankee Farr er, has, with a highly praise worthy zeal in the inte plough, which may be worked with a less powert team than the one commonly in use in that country

In a chimote like our own, which at that season the year when our crops, particularly our root crop most need the benefit of moisture that may be derive from deep ploughing, and me most likely to sufffrom drought, the use of the subsoil plough would I attended with unquestionable benefit. On a field my own, which had been set to an orchard, and ther fore kept under the plough for some years, in attemp ting to underdrain a part of it that was usually floode by water in the spring of the year, I noticed what il English call the "upper crust." This lay some incl English call the "upper crust." es below the surface, at the depth to which the lar had been usually ploughed, formed by the treading the exen and the movements of the plough over This I found to be so hard as to be apparently as in penetrable by the roots as a piece of marble, and dicovered to me at once the cause of the failure, in great measure, of my crop of pointoes the year before Having discovered what I supposed to be the cause of the failure, I set about devising measures to remedy i

I have never seen a subsoil plough, there never has ing been one seen or made in this part of the country I consulted my ingenious friends, Messis. Prouty & Mears, and, at my request, they made an instrumer of very cheap and simple construction, consisting of wooden beam, about three inches square, and three feet long, with three times or teeth of the common cu tivator, placed in a direct line in the beam, extendin about eight inches below the beam; to this bandle were attached similar to the handles of a plough. trying this by running after the drill plough, I found in my hard stony subsoil, it was quite inadequate to th business, being too light and of insufficient strength I then had one constructed of similar plan, but muc beavier and stronger. The beam five feet long, si inches square, of white oak, well ironed, with thre tines in nearly a right line, made of the best Swede iron, one and a half inches square, extending twelve inches below the beam, with a spur at the foot, some less than that of the tine of the cultivator, with strong bandles and an iron beam extending from each handle to the centre of the beam, by which the balance is easily preserved. This implement, drawn by two yoke of oxen, followed the drill plough in getting in carrots. and performed the work better than I had anticipated. The "upper crust" gave way, the resistance made by the hard gravelly bottom and smaller stones was readily overcome. The earth was loosened in most places twelve or fourteen inches from the surface, and though not so thoroughly pulverized as it probably would have been by a perfect subsoil plough, yet, in my very hard, stony subsoil, I am inclined to believe, that for simple drill husbandry, this will be found to be a valuable substitute for the English subsoil plough. And considering the small price of the implement, and the greater ease with which it is worked, the friction being much lessened by dispensing with the sole, I shall continue to use this until I can find a better. A part mer. It is well known that these grubs are the larve strikingly verified by some of our West Cambridge appropriated for that crop last year; no more manure

as applied than in the previous year, and notwithanding the severe drought which grently injured nost of our root crops, my crop on this piece of land ras nearly double to that of last year. There is no nown cause to which I can attribute this great inrease of the produce, but the use of my new contructed substitute for a subsoil plough. The soil was tirred to the depth of fourteen mehes; by this means he roots of the carrots were enabled to strike deep, and thereby not only find more nourishment, but to precome, in a great measure, the effects of a very pinching drought. With great respect,

Lexington, Mass.

Your ob't serv E. PHINNEY.

From Western Paymer

American Society of Agriculture. An Address to the farmers of the United States; to etery friend of agricultural improvement; to every citizen of the United States who desires to see clevated the character and standing of the culticators of

Most respected and most respectable friends and brothers, give me your attention for a few fleeting moments; your humble brother, who now addresses you, published a suggestion about three years ago, for the purpose of arousing your attention to the subject of forming a National Agricultural Society; that suggestien was then responded to with a hearty good will throughout the country. But action upon the subject has been overwhelmed by the political whirlwind that has swept over our country. In the first full of the succeeding calm, the proposition to form such a society has been renewed, and with one exception, has met with a cheering "God speed the project." None doubt the utility of the proposed society, yet doubtless there are many who would like to see the object, end and aim of the society more fully explained. To such and aim of the society more fully explained. I now offer some of my views, and in doing so, invite you all to give yours; for this is one object of a National Society to interchange our views.

Many warm friends of the measure, who are anxious to see the society in operation, cannot see how it is to be organized. They say, "No doubt if once erganized, it would daily increase in strength and usefulness; but it is like a great complicated piece of machinery, et great use and value when once in motion, but very difficult to start." Now, to me there is no but very difficult to start." Now, to me there is no difficulty in the way. All that is wanted is a few active engineers to put the machine in motion. Immediate and decided action of a few of the active friends of agricultural improvement, who must assume the responsibility to act as engineers as well as pioneers for the whole Union; and having once given the society an existence, it will flourish and increase in strength just as our political Union has done.

The following plan of organizing the society is sug-

gested to your consideration :

Let as many of the friends of the project as can be induced to do so, meet at the city of Washington, on some day of the autumn of 1841, (the particular day to be herenfter fixed.) and there form a constitution for the society, and elect officers, to wit: a president, a vice president for each state, a recording secretary for each state, county, city and principal town in the United States, a treasurer, and probably a publisher of a national paper, to be called the Journal of the American Society of Agriculture.

The first officers will held their offices until the next annual meeting, which should be held at the capital of that state which had furnished the greatest number of members at the time when the president of the society should iasue his proclamation to convene the second meeting.

The place of each annual meeting should be fixed at the preceding one, in some state other than the one where it was then held, so as to give the members in esch state an easier opportunity of attending.

As in the formation of all such associations it is necessary to have some cash funds, are you willing to donate "a mite" to accomplish this great national ahiect ?

If so, an opportunity will hereafter be offered you to do so. Upon some of you I hope to make a personal call for that purpose, should it be thought advisable, after due reflection, to proceed in the organization; therefore, I pray you to give this subject your serious consideration.

If you should aid in the formation of this society, will not your children "rise up and bless you?" one of the first objects of the National Agricultural Society should be to connect with it a " National Agricultura! School.

Not such a "National School" as the only one we ne v have, which has, with too much truth, been cal-

led "a nursery of aristocracy"-where the humble son of a farmer is rately admitted, and if admitted, what is he taught? Not how to cultivate his mother earth, and make her sons glad; not how to increase life, but the art of destruction, the trade of blood ! Such is now your only national school,

Such will not be the only one, in a few short years, if you will lend your energies to form a National So-ciety, whose motto will be, " to elevate the character and standing of the cultivators of the American soil. For when once organized, you will show a united force of many thousands, whose voice will be heard in the balls of Congress demanding our birthright. Be assured we shall be heard. "Let all our energies be concentrated, and we can do any thing in the power of man; but divided and scattered as we are, we spend our forces, as it were, drop by drop; whereas, union would make us mightier than a torrent." shall we say we will form such a torrent as will overwhelm our political rulers, unless they will do justice to the agricultural class of the community.

As soon as the National Agricultural Society is formed let us ask Congress to appropriate the "Smythsonian fund" of half a million of dollars to establish a National School. If we unite as we should do, our "torrent" will be too strong for time-serving politicians to resist.

I look upon the National Agricultural School as the greatest blessing to flow from the National Society.

But the Journal of the Society will also prove el immense advantage. It will embody a vast amount of matter, useful and interesting to every cultivator in the Union. The most carefully prepared tables of the productions of the earth, from every section of the Union will be kept constantly before the reader, total ly different from those vehicles of deception, and often fraud upon the farmer, called "prices current." by the quantity produced, and the probable demand therefore, that we can understand whether it is for our est interto sell our crops now, or store them up. At every meeting there would be numbers from every state in the Union, as ready to impart as to receive intarmation.

"All the inducements of the business of a National Society, a National Fair, and a National School, and the honor of being a member of such a society. would be enough, I think, to make us all feel that it would be a greater honor to be elected a state delegate to one of the annual meetings of the National Society than to be elected a member of Congress.

It cannot be expected in this short address, that I should point out all the good that would flow from the action of the proposed society. But if we are convinced that the effect would conduce to the interest and happinesa of the great mass of American agriculturists of the Union, let us act, and with spirit too.

And now my friends, one and all, do you approve of the plan of organization? Speak out boldly if you do not. And if you do not object, the leading friends of the measure will fix upon a day for the first meeting, and proceed in the manner proposed.

There has been an argument raised against organizing such a society at present, "because the public mind has not been sufficiently instructed, and does not sufficiently appreciate the advantages of such an association to render it successful."

Now it is on this very account that the friends of the proposed National Society wish to see it established, that the operations thereof may wake up an excitement throughout our "wide scattered population, that shall be the moving cause of changing the "condition of the country."

It is also argued that the failure of several state and county societies is proof that a national one must fail

Let me ask if this is a valid argument? This short quotation, in my mind, is sufficient to knock the whole force of the argument into nonentity: "Divided and scattered as we are, we apend our force as it were, drop by drop; whereas unton would make us mightier than a torrent."

The object of all state and county societies has been of a local nature. Their existence has been known only in their ewn locality, and they have been too weak in numbers to command legislative aid. can tell what would have been the effects if all the members of all the local societies in the Union had been attached to one National Society? If all the exertion of all these societies, collectively and individually, had been concentrated upon one object, would it not have formed a "torrent" as mighty, comparatively speaking, as the thundering Niagara? If the na-u n, instead of individuals, had received all the light of the intelligent minds that have been devoted to these local societies, would it now be said " that the public

mind was not sufficiently enlightened to appreciate the advantages to be derived from a National Society?" If all the money that has been devoted "drop by drop" upon "model farms" and local schools had been concentrated, should we not now have an institution worthy the great country we inhabit?

If our population is scattered; if "long distances intervene between the most efficient friends of agricultural improvement," so much the more need of formturn improvement, so much the more needed of in-ing such a society as shall draw them together in "one strong bond of brotherhood."

Is it a fact " that the time has not yet arrived when such an association can be organized with a reasona-ble certainty of success?" If such is the fact, I am disappointed in the energy and character of my coun-

Once more I call upon you to answer me this quertion; am I so disappointed in your character ?

Do not refuse your countenance to the measure because it does not originate in high places. For ever we are to have a National Society of Agriculture, it must be got up by the farmers themselves; ' and as one of that class I now address you.

If the present attempt at organization fail, the matter may be considered as decided for the present genera-

The only question then is, shall the matter sleep until you and I are past waking !

I am a devoted friend to present organization of a National Society of Agriculture, and a National School, that will elevate the character and standing of the cultivators of the American soil,

And your friend and brother,

SOLON ROBINSON.

Lake C. H., Ia., April 1, 1841.

For the New Geneses Former. Letter from Wisconsin.

Messrs. Editors-Among the interesting articles in your paper, none are estcemed more highly, or looked for with more solicitude by me, than these relating to the flower garden and to horticultural products, by your valuable assistant, D. T. He is always entertaining and useful; and I should like to take a peep over his garden fence in a month or two. although our prairies and woodlands can boast of their pecrless beauties in the way of flowers, not to be ex ceeded by those cultivated in eastern gardens. I am not a scientific botanist, but can appreciate well the beauties of Flora. Here many plants grow wild, that are nurtured and estcemed among the florists of tha east. I shall make a collection of the most of them and place them in my front garden, and will some future day, do myself the pleasure of sending some of the seeds, &c. to you.

By the way, I see you are making a cellection of grasses. I think you could find quite a variety in this country; for we have many varieties growing wild in our marshes and low lands, many of which make very good hay. We have also wild rice in abundance; for you must know that this neighborhod was the residence of the Menonimee Indiana, or wild rice esters. as they were called by the French, and a few of whom still linger round their ancient homes.

I wish to inquire what is best to apply to cure a less of the eye in nest cattle. I have a favorite half blood Durham cow, which last summer had the misfortune to lose her left eye, the sight baving all run out. Now I wish to know what to apply to heal ever the wound. Will you inform me ? E. B. QUINER.

Milmaukee, W. T.,

Large Hogs.

Mr. George Baker, of Edgmont, Delawara county. Pa., slaughtered, on the 10th of March last, a hog which weighed, when dressed, 879 lbs.1

Another.

Mr. Philip S. Bishop, of Edgment. Delaware county, Pa., also slaughtered, on the 30th of March, a hog which weighed, when dressed, 967 lbs.! Those :wo hogs were about 21 years old, and of common stock: both of one litter. The litter consisted of twentythree. We challenge the Berkshires to beat this.

A SUBSCRIBER.

The Flowers of Spring.

Some travelers have spoken of the princtuality of the aessens in both high and low latitudes, as if the lines there were stretched tight: though we know the oscillation in more temperate climates, is very great. Thus Dr. Clarke says the snow in Russia went off on the day that had been foretold; and Bruce observed a tree in Abyssinia to bloom on the same day for several years. In this country however, in 1834, the flowers of the Japan Quince were "nearly ready to expand" on the first of the fourth month; but in 1841, on the twentieth of the fifth month.

The difference however, is not so great with the apricot. In 1834, it bloomed on the thirteenth of the fourth month—in 1841, on the 10th of the fifth month, showing a difference of only twenty-seven days.

The peach tree blossoms later than the apricot. In 1834, the difference was three days; in 1835, six days; in 1841, ten days. But this delay is easily explained: Cold winds from the north, continued several days, and vegetation was nearly at a stand.

We will new notice flowers that appear earlier in the season.

Erythronium dens-canis from England is a beautiful little plant. One variety has white flowers, others of a reddish purplo. It is earlier than our native species, and incressee more slowly.

Of Corydalis, we think the American species are ratter more delicate than those from Siberia. All debest in a shady soil abounding with vegetable earth, particularly C. formosa, and C. nobilis; but C. cava, C. cucallaria, and C. canadensis, are very pretty in the open border. C. solida with us, has not brought its flowers to maturity.

The Crown Imperial is "a thing to wonder at;" but it is splended as well as errious. Some other species of the same genue (Fritillaria) are also interesting. Of these, F. pyrenaica, and F. meleagris, with brownish variegated flowers, are the finest that we have seen. F. persica has very little beauty.

Some species of Narcissus are too tender for this climate; but others are very hardy. The Trumpet Major in two varieties, is remarkable for its carliness and the great size of its nectary. The single Daffodil is showy, though less so than its double varieties known under the name of Phonix. N. biforus of a yellowish white, is interesting. N. argustifolius, and N. poeticus with white petals and shallow nectarics tipped with crimson, are very fine; and though nearly allied are sufficiently diatinet for both the botanist and the florist.

The Jonquila are sometimes arranged as a separate group, though belonging to the same genus. These are, the great jonquil (N. calathinus) and the common or fragrant jonquil (N. jonquillu.) The latter has a variety with double flowers.

The Hyncinth is a most desirable plant for its beauty and its fragrance. Its varieties spread into almost every color, though in neither red nor yellow, are the marking intense. Loudon quotes Miller as saying that in his time the Haarlem florist bad 2000 varieties; and he adds, that though the possion for this flower had greatly declined, they have still upwards of half that number.

The grape hyacinth and nutmeg hyacinth, both remarkable for their fragrance, are now placed in the genus Muscari. The former has small flowers of a rich blue-purple.

The common Tulip is called "the king of floriste' flowers;" and certainly ranks among the most splendid. Rod, yellow, white, are almost endlessly compounded; while blue, purple, violet, are eschewed. Loudon says a late London catalogue contains more than 639 varieties of this flower.

Another species (Tulipa turcica?) has bright yellow flowers, increases from seed, and makes a fine display in the border. It is sufficiently distinct from the common fully to excite attention.

The Iris is a genus that long continues to decerate the garden. Soon after I. persica has faded, the purple I. pumila, another with light yellow flowers, and a third (I. cristata,)—come into bloom. The last is the most of a dwarf, but nearly covers the ground as it spreads, and is remarkable for the delicacy of its tints—a light blue finely variegated with purple, white, and yellow.

The trailing species of the Phlox, also exhibite masses of bloom; and few spots on earth are finer than those covered by P. subulata and P. setacea. P. nical's appears to be a variety of the latter; and a hank of enow may give some idea of the multitude and whiteness of its blossoms. It requires some protection in winter.

Palmonaria virginica, a native plant from the alluvial soil of our rivers, eighteen inches high, has large delicate leaves and fine blue flowers suspended from the top of the stem. A white variety is rare, though we have seen it on islands in the Schuylkill, and on the banks of the Tonnewants.

Magnolia aborato, a shrub from China, blooms when only two or three feet bigh. It is almost hardy, and quite so in mild winters. The flowers are large, purple on the outside and white within. It is magnificent.

Wheat turning to Chess.

We had hoped to have kept clear of this controversy—we hope so still. Several communications have been received, favoring transmutation, but as they appear to us not only wholly inconclusive, but as not afiecting in the least dogree the immutability of the law of nature that plants or animals of one genus never change to another, we beg leave to decline their publication, as well as all others which do not amount to a demonstration of such change. In the mean time, we may state two facts, capable of the clearest prost, which may be furnished if necessary, either of which we consider a demonstration that wheat does not turn to chass.

1. No plant, nor animal, has ever been known, to change from one genus to another, as a swan to an eagle, a hen to a humming bird, an elim to a hemlock, or a Triticum to a Bromus; and to admit such changes would be to throw the beautiful order of Creation into inextricable confusion.

There are forms, and regions of country, where chess has been carefully excluded or cradicated, where it does not return, and which it would of course do, if a change occurred.

To those who may be puzzled to explain the frequent appearance of chess where wheat has been injured or destroyed, except by the conclusion that such injured wheat is transformed to chess, we will merely instance a few, out of many facts, to assist them. 1. Chess, like the seeds of many other weeds, will remain for years, without growing, in the soil. 2. It has been seen, when overshadowed by wheat or grass, with a single grain growing on a stem two inches high. ripening and perpetuating its species on the soil, wholly unobserved by a common eye; and when the wheat has been destroyed, it has been seen to shoot up from a single seed, four feet high, and bear thousands of seeds. 3. Seeds of chess, generally escape the teeth of animals, and are scattered with their manure wherever they may pass; and birds may scatter it profusely in the same way, unobserved. 4. Chess, from its insignificant appearance, frequently escapes the eye of the farmer, and is sown by him over his fields, when it might be detected by careful examination, as by

fair chance, it multiplies with far greater rapidity that wheat, and hence the constant tendency it has to the ascendancy.

And those, who like our correspondent "R." hav seen, or heard of, head of chees growing out of wher heads, or on wheat stalks, we would respectfully request to forward them to this office, where they cabe seen. It is a lattle singular that such grat curios tice are never preserved; or if they have been in som instances formerly, they have invariably on rigid examination, proved impositions. If any of our correspondents, or any other person, will procure us such specimen, which shall be pronounced by on experienced examiner of plants, such as Prof. Dewey, as a hoax, he shall have one hundred dollars for his trouble with our thanks.

Manufacture of Silk in State Prisons.

It is well known that for several years past numer ous memorials have been presented to the Legislatur of this State complaining of the mechanical labor per formed in the State Prison at Auburn. Gov. Seware has lately called the attention of the Legislatre to thi subject, and recommended that the present system b gradually abolished, and the culture and manufactur of silk adopted in its stead. Experiments already trice have shown the practicability of the enterprise, and a it would entirely obviate the evils complained of hy the mechanics, it appears to us to be a very wi-e meas ure. The only difficulty in the way of its immediate success is the want of materials, and this will doubt less soon be obvisted. Mr. Polhemus, the Prison Agent, has issued the following notice, which we cheerfully give a place in our columns:

TO FARMERS AND OTHERS. State Prison, Auburn, N. Y. May 15th, 1841.

The subscriber as agent of said Prisan, having commenced the manufacture of SEWING SILK, by convict labor, will pay three dollars per bushel for all the Coccone of a good quality that may be offered at this Prison, hereafter. Any communication upon this subject, addressed to the subscriber, (post pair, from any part of the United States, will receive immediate attention.

Having become thoroughly satisfied of the fact that the Morus Multicaulus Mulberry will endure the frosts of winter in this latitude, without care or attention, nearly, if not quite as well as the common Apple Tree, the subscriber has determined upon extending the business of manufacturing Silk at this prison, to any amount that the procurement of the material will allow; and hopes ultimately o make it the principal employment of the convicts here confined. Undee this determination he will be prepared at all times to purchase for each, at the above price, all the Cocoon of a good quality that may be offered from any part of the Unit d States.

The immense amount of foreign Silke annually imported into the U. S. demonstrates the policy, if not he necessity of a combined effort on the part of the citizens of this country, generally, for the production of American Silk, which when properly a forticated, it is believed far excels in quality that preduced in any other part of the world; hence every individual in the community, from notives of particulars, as well as interest, should feel a deep solicitude for its cutture and success.

It is believed that most farmers will, to a certain extent, find it prolitable, so for at least, as the necessary labor in feeding the worms, etc., cay be performed by the juvenile members of their families.

The tree may be planted by the fence side and in other unproductive portions of their grounds, to an extent sufficient, after a few year's growth, to produce a large amount of Silk—nor is it necessary (as has been supposed) to incur any expense in preparing buildings or fitting up apartments for the feeding of worms—a common barn, or out houset of any description will answer all the purposes; harns in particular may be used to great advantage during the early part of the season, previous to the ingathering of the crops.

nt might be detected by careful examination, as by Being aware that very erroneous opinions are enterspreading it on a table or floor. 5. When allowed a tained by many in regard to the process of producing

the Cocoon, to obviate which, any person desirons of ses. [Delivered as a lecture before the class of the correct information upon this subject, will be furnished the same gratuitously on application to Mr. John Morrison, at this prison, who has a thorough knowledge of the business in all its parts, having for many years had the entire charge and superintendence of an extensive silk manufactory in Europe.
HENRY POLITEMUS, Agent.

P. S. Editors of Newspapers in this State who are friendly to a change in the mechanical branches now carried on in our State Prisons, are requested to give the above a gratuitous insertion. Il P. Ag't.

Galvanic Plaut-Protector.

It appears by a late English paper, that a galvanic battery has been successfully employed to guard the Dahlin against slugs and snails. Most of our readers will get a correct idea of this apparatus from a tin basin, six inches in diameter, with the hottom out. The material however, must be zine, surrounded by a band of copper one inch wide, neatly fitted on the outside near the rim, and held up by dots of soder. It is pressed into the ground, so that no insect can erawl under it; and its effect is thus described:

"The mollusca may crawl up the zine with impunity, but on coming in connect with the copper, will receive a galvanie shock, and immediately turn away, or fall to the ground. I have repeatedly wat hed them, and have observed they were extremely cautions in approaching a second time.—The apparatus act in wet or dry weather, and is therefore always in action."

We ought to mention however, that the upper edge of the zine has an indented flange, turned horizontally outward, just above the copper band.

We have thought of applying this apparatus to the plum tree, &c. to protect the fruit against the enrenlio. Insects that fly into the trees, of course will not be interrupted; but the curculio, like the snail or the slug in England, is decidedly a crawler. To prevent the hoge from interfering, a guard of thorns or briers may be useful; or perhaps it may be found to act several feet up the trunk, where rags or tow may be stuffed in between the tree and the magic circle.

Wilkie's Scotch Plough.

John M'Connell, of Ontario, very justly objects to the want of accuracy, in the statement of the committee on the Worcester trial of ploughs, where they describe the performance of a "Scotch plough," without naming the inventor or manufacturer. If our correspondent will turn to the very full report of that trial, given at the time, by Henry Colman, in the New England Farmer, he will find this deficiency of the committee supplied, and that it was Wilkie's plough, imported, which was there exhibited.

In justice to Wilkie's plough, it may be proper to state, that at the late trial of ploughs, under the direc. tion of the Committee of the Ayrshire Agricultural Society, it accomplished a given quantity of work with more esse than any other, except Ransom's plough, though the latter did its work in a far more imperfect manner than Wilkie's, when the experiment was made on sward land. We do not consider the Worcester trial as at all decisive, as circumstances, and especially differences in the tenacity and condition of the soil, are found to vary the results very materially. We believe however, that experiments of this kind, are the only accurate test of the merits of different ploughe, and we hope they may be repeated with every necessary variation, as in clay and in sand, in sward and in stubble, with wide furrows and narrow, shallow and deep, lapping and flat, and we have no doubt that some which may prove imperfect in one way, may be excellent in another.

Darlington on the Grasses.

We have received from the author, Dr. Darlington, of West Chester, Pa. his "Discourse on the Character, Properties, and Importance to man, of the Naturla Family of Plants called Graminess, or True GrasChester County Cabinet of Natural Science, Feb. 19, 1841.]"

This little pamphlet contains a large fund of information relative to this very important order of plants, and the high attainments of the author as an American botanist, and the plain and colloquial style of the lecture, render it uncommonly interesting to the young student in botany. With the exception of one instance, where a nauscous and pernicious drink is termed a "rich potation," we have also been pleased with the occasional remarks of a general and moral character contained in it.

N. Y. State Agricultural Society.

We have received a letter from II. S. Randall, Esq. Corresponding Sec'y of the N. Y. State Agricultural Society, complaining of some remarks in our April number, in relation to that Society. Mr. R. thinks our remarks do injustice to its managers, and afford evidence that we labor under erroneous impressions respecting the character of that Society. We cannot consistently publish the whole of the letter, without following it with a lengthy rejoinder; and wishing to avoid all cause of animosity, we prefer to explain, or retract, our remarks, and only give some extracts from the letter.

In the first place, by way of explanation, we remark that the article slluded to, was written in great haste, and under a feeling of considerable disappoint. ment, in view of what appeared to us the meagre appropriation, named in the bill reported to the Legislature-being only one-half of the amount asked in our petitions. In the second place, we wrote under wrong impressions, in supposing the hill was reported before any of our western petitions were received-which we have since learned was not the case. We also supposed that the " N. Y. State Agricultural Socie. tv" would, as heretofore, confine its operations mainly to Albany, and be managed chiefly by gentlemen of that vicinity. With these impressions on our mind. and its past history in view, we think it not surprising that we did not cherish the most favorable opinion of the Society, or expect much general good to result from it.

We are happy to say however, that the late proceedings of the Society, and the zeal and public spirit now manifested by its officers, have made a more favorable impression on our minds; and so long as its operations are governed by the principles we believe they now are, the New York State Agricultural Society shall receive our cordial approbation and support; and we think we can safely promise it the good will and cooperation of the majority of our readers in this State.

With the worthy Scerctary therefore, we say, "let all bickerings and jealousies be forgotten," among those who labor in this great cause; and let us put forth our united efforts to help on the work of improvement,-let our motto be 'Unward for the good of all.' Then glorious success, the increase of happiness and prosperity, will surely crown our efforts.

We heartily concur with the sentiments of the fol lowing extracts, and hope that we and our readers mey be favored with a farther aquaintance with the writer.

"The meetings of the State Society have heretofore been held at Albany, to seeure the eo-operation of members of the Legislature, and such other business men as resort to the Capitol during the acceions of that body This might bave been an error. But if so, it was one that escaped the notice of the most western members of the Society. * * * * The annual Fair is to be held this year at Syracuse. It was placed there on the motion of an individual, who has heen for years a member of the State Society-and the vote received the concurrence of every Member of

the Board, residing "about Albany." All that the old members of the State Society demand is respect for their motires, -when it comes to the matter of dollars and cents, they ask no priority-no privileges .-The eastern members will meet their western friends at Syracuse, and compete with them on fair and even terms. Is not this all that can be demanded."

The cause demands that there should be no bickerings-no jealousies in our ranks. The New Genesee Farmer will certainly not be the first to scatter dissention and jealousy among friends and co-workers. If there be rivalries between men or periodicals, or sections of country, let it be manifested in a struggle to outvie each other in excellence, in efforts to advance the cause. Instead of destroying each other, let us, like the rivals of old, see who can plunge deepest into the ranks of the enemy!

I have the honor to be, Gentlemen,

Your ob't servant, HENRY S. RANDALL.

A Tariff on Imports, acting incidentally for Protection, not generally unfavorable to our Foreign Trade.

MESSRS. EDITORS-It strikes me that the protective policy of government towards its own manufactures. when the protection is incidentally given by a tariff for revenue, cannot impair the legitimate importing trade of the country.

We admit that the amount of capital employed in the foreign trade in New York alone amounts to 48.. 000,000, but if we refer to the stati-tical details of the erticles on which this trade is based, we shall find that our own manufactured articles of cotton, wool, and iron, besides cabinet-ware, upholstery, and the thousand and one other Yankee notions, form a large item in the aggregate amount. It is true that our trade with England and France may be diminished so far se imports are concerned, if our silks, wines, woolen goods. rail road iron, &c. &c., are in part supplied by home production. But will not our trade with all the rest of the world be proportionably increased by it ? Before the protection which the tariff of 1824 gave to our cotton manufacturers, such a thing as an ex-

foreign goods are a drug in the market. Is it sound policy for the north to consume more French ailks than they can pay for, in order that the south may sell France a few hundred more balea of cotton? Would not the south be more profitably employed, if in varying her productions, she becomes less dependent on a fluctuating unsteady foreign market; more free from the effects of competition in the production of a single staple, which of late years has so disastrougly effected the pecuniary condition of the

Union ?

port of American cotton goods was unheard of: but

now so great is the export demand for our cotton fabrics,

muslins, calicoes, drillings, &c. &c., that the prices

of those articles have actually improved of late, when

Even the advocates of protection would not oppose the cotton growing, or as they too arrogantly call themselves, the "exporting" states, from exchanging their staples in Europe to any extent they please, for articles solely for their own consumption. If they can buy their negro cloths, woolen and cotton goods, boots, shoes, cabinet-ware, &c. &c., on better terms than the north will exchange with tham for their cotton, the north will not complain. But is it right that the north and west, who have no market in England and France for their agricultural staples, to be compelled to support an impoverishing importing trade with those nations, merely to enable the south to export more cotton? In order to import we must first be able to consume; and how can we consume foreign fabrics. if we cannot sell the productions of our own industry?

. W.

The Wheat Interests.

The name of our paper has become almost synonymous with wheat growing; and this being the leading husiness of at least nine-tenths of our readers, we feel assured that no apology is necessary for the space allowed the following document.

This memorial, with its accompanying statistics, was prepared, with great labor, by Joshua Leavitt, Editor of the N. Y. Emancipator, who, to say nothing of his zealous labors for the abolition of slavery, deserves the thanks of the farming community for his valuable efforts to promote the interests of agriculture. The Senate deemed this memorial worthy of being printed for public distribution; and unless we greatly misjudge, it will do more to open the eyes of the nation on this great subject, than any other paper that has appeared. The complete document is for sale by the author, at the low price of \$1 per hundred; and we hope all of our readers who feel interested in the subject, will not only secure a copy for themselves, but distribute some to their friends.

We regret that our space does not allow us to puhlish it complete.

MEMORIAL

JOSHUA LEAVITT,

Proying the adoption of measures to secure an equitable and adequate market for American wheat,

IN SENATE, FEBRUARY 27, 1841. Referred to the Com. on Ag. and ordered to be printed.

To the honorable Senate and House of Representatives of the United States in Congress convened:

The undersigned, a citizen of New Jersey, respectfully solicits the attention of Congress to the following memoir, presenting a few considerations connected with the wheat product of the porthwest.

The six northwestern states, (including, as such, the two territorial governments, soon to be admitted as states,) of Obio, Indiana, Illinois, Michigan, Wiskonsin, and Iowa, spread over a surface of 236,211 square miles, not including the portions of Wiskonsin and lowa, still held by the Indians. Being situated in a temperate and healthful climate, with the greatest natural facilities for communication abroad, with a soil of amazing fertility, they constitute a region of country as well adapted to the residence, support, improvement, and happiness of man, as any equal portion of the globe. Their present population is 2,069,696, being only 12.6 to a square mile. (* 1, 3.) Of the 173,606,672 acres of land in those states, (excluding Indian lands, as above.) 72,693,414 acres, or 10 per cent., have already passed into private ownership, by sales, grants, or reserves; leaving 105,923,258 acres in the hands of the Federal Government. In the settlement and value of this land, the national treasury has a deep interest, as may be seen in the fact that it has already received the sam of \$72,214,932 from the actual sale of 52,166, 114 acres in these states, (2) The land in private ownership gives 24.5 acres to each inhabitant, and is more by 11,771,414 acres than all the lands in Great Britain and Ireland that is capable of cultivation. (3, 5.) The land actually sold by the Government may be regarded as all bought for cultivation, and exceeds by more than five millions the quantity now under cultivation in the United Kingdom .-The sales in the last eight years are 31,758,666 acres, being only two and a quarter millions less than the lands now cultivated in the island of Great Britain. Of this quantity, 10,06-,999 acres, or 31 per cent., were sold in the last four years, since the season of speculation was over; which fact, taken in connection with the vest influx of emigration during the preceding four years, conclusively proves that a much smaller proportion of the land sales of that remarkable period, in these states, were taken for speculation than is generally supposed. At the rate of sales of the whole eight years, the lands in these states would be entirely disposed of in less than twenty years; and at the rate of the last four years, the whole would be sold in scventy two years. (4.)

The whole quantity of land in the United Kingdom of Great Britain and Ireland is 77,394,433 acres; of

which 46,922,970, or 60.6 per cent., is cultivated; giving an average of but 1.85 acre to each inhabitant, of the 27,704.118 supposed to be the present population of those islanda. Fourteen millions, or 18 per cent. more, are deemed capable of cultivation; leaving 15,871,463 acres, or 20.4 per cent. of the whole, worthless for human subsistence. (5.) At the same rate of productiveness with the cultivated land in the United Kingdom, the land already sold by the Government should produce subsistence for near 30 millions of people, while the vast quantity still unsold admits The lands being of a nearly proportionate increase. all held in fee simple, in farms of sufficient size to in-sure the greatest product with the least labor, unineumbered with rents, tithes, or poor-laws, and no part en grossed by noblemen's parks or royal forests, the products mry be expected to reach this amount far in advance of the proportionate increase of population, provided such a market shall be found for the surplus as will furnish the adequate motives and rewards to industry. It is to this point that the attention of Congress is particularly requested.

The actual increase of population in these states shows that there is something in our land system, our freedom from taxation, and the general character of free institutions, as spicad over this region by the benign influence of the ordinance of 1757, eminently calculated to impart a healthy vigor to a rising empire. beyond any precedent in the history of the world. Forty years ago, the whole civilized population of this district was but 50,240; now it is 2,970,696. ratio of increase during each decennial period of this century is 483 202,85, and 102 per cent. The numerical increase of the last ten years is 1,502,604, being more in number than the whole increase of England and Wales during the first sixty years of the last century. The increase per cent, is greater than the increase per cent. of England and Wales during the whole of that century.

Of the actual growth of trade it is impossible to speak with equal precision, although some valuable deta for an estimate may be found in the appended tables. So great has been the influx of emigrants, that it is only within three or four years that large portions of this district, the best adapted for wheat, have ceased to import bread stuffs, and it is but just now that the actual pressure of a surplus of these products be-gins to be felt upon the general market of the country; barely suggesting to the wisest forecast what is to be. Let the estimate of the future be formed in view of the tables, and of the facts, that the soil is as fertile as any other, with a smaller proportion of waste land, from rocks, mountains, or swamps, than in any region of equal extent; that there are no barrens; that both soil and climate are favorable to the production of provisions of all kinds, while at lesst two-thirds of the whole is eminently adapted to the culture of wheat; that the population is almost exclusively agricultural, with the advantage of owning every man his farm in fee-purchased, too, at so low a rate that no probable reduction of prices can bring their lands down to the original cost, while cultivation is constantly increasing their value, instead of turning them to waste as in some regions; that the character of the people, for industry, skill, education, general intelligence, order, and regard for law, is surpassed by few other sections of the world-affording assurance that they will always raise as much produce as they can, if there is a market for it, and will always require as much of the products of other regions, in manufactured goods and other comforts, as they can pay for, while their general integrity and the reign of just laws afford a guaranty that they will not run in debt to buy what they cannot see a way to pay for by the products of their labor .-The trade of such a country will be limited only by the physical ability of the people, stimulated to the highest industry by the wants of the most civilized state of society, unless it is clogged by obstructions interposed by the policy of our own or other Governments.

Until the year 1805, wheat ch'efly in the form of flour, was the leading article of export from this to The average value for the five foreign countries. years preceding the one named, was \$8,205,000. (10.) In that year, cotton reached the value of \$9,445,500, and took the precedence of wheat which it has since maintained. The increase since, in the value of demestic products exported yearly, is about fifty-two millions of dollars, the whole of which is in cotton; while the value of wheat and flour has sunk to the fourth place in the columns of exports. The settlement of the wheat region of the northwest, to such an extent as to begin to furnish a surplus, already in creases the export of this product; while the prospect

merchant to look upon this growing interest with th deepest concern.

Wheat flour-from its value, its lightness of treigh apability of preservation, and adaptedness to the wan of different countries, as well as the natural indication of the soil and the abundance of water power, eith in that country or along the lines of communication with the senboard; - wheat flour must be the princip reliance of the northwest for foreign export, and i the means of psying for articles of necessity or comfe brought from abroad. The more extended introdu tion of this staple into our foreign trade would not o ly increase the actual commerce and revenue to th extent, but would tend to relieve our general monet ry interests from the severity of the fluctuations as sing from the present almost exclusive reliance upon single staple. But the most advantageous foreig marketa for wheat are grievously obstructed, and re dered so uncertain and fluctuating, as to be near valueless to the American Farmer, by the corn laws Great Britain and France.

The British corn law, as settled in 1828, by the s of 9 Geo. IV, c. 60, is one of the most ingenious contrived schemes that can well be imagined, calcul ted to injure the grain-growing interests of other con tries, and the grain consuming portions of its ov people, without, it is believed, a corresponding advatage to the agricultural interest, for whose benefit was intended. The variable scale of duties, rising the price of grain falls, and falling as the price rise is but little understood in this conntry. as it is called, is declared every Thui rsl average,' day, at the exchequer; and is obtained by first finding the average of all the grains sold during the week en ing on the preceding Saturday, at 150 of the princip towns and markets, and then taking an average of the with the five last preceding general averages; and th ast is the declared or general average for that wee When the declared average of wheat is 73s. or n wards per quarter of 8 oushels, the duty is 1s.; a when the price is 52s. or under, the duty is 34s. & the intermediate duties being graduated by a scale tariff. (11, 12.) Wheat and flour may be stored u der bond for any length of time, without paying d ties, and re-exported at pleasure.

The object of this complicated arrangement is, fir to protect the landholders against foreign competitio and keep up the rent of land so as to sustain the lo of taxation imposed by the public debt; secondly, secure the people against the danger of famine, which, from the density of the population, and the u ecrtainty of the seasons, they are greatly exposed; a thirdly, to prevent, as far as possible, great fluctuatia in the price of grain. The attempt to overrule t great and irreversible laws of trade, which strike t balance between demand and supply-or, in oil words, to prevent fluctuations in a market where t demand was constant and the supply variable-cot not but fail. Twenty years ago, it was consider that a deficiency of one tenth in the harvest wou raise the price of wheat three-tenths, and a deficien of one-third would treble the price. This thermom rical sensitiveness of the market increases, as the i crease of population overpasses the increase of produ The yearly consumption of all kinds of gre in Great Britain, is estimated at 52 million quarte inhabitant; of which 13 millions of quarters, or 1 million bushels, being 34 bushels to each iohabitar is wheat. The supply of 41 millions, or nearly per cent., in 1839, was at an average price of 70 which was 80 per cent. above the price in 1835, at nearly 50 per cent. above that of 1836. (14, 16.) the ten years, 1829 to 1838, the yearly range between the highest and lowest weekly average, averaged 15 4d., equal to 30 per cent. The greatest fluctuation was in 1828, rising from 52s. 4d. to 78s. 4d., makir a range of 50 per cent. These fluctuations of the market in England produce still more disastrous flu tuations in the markets from which supplies are to I drawn. In the ten years above named, the year fluctuations were 54 per cent, on an average; and 1838, the fluctuation was 154 per cent. (13.)

In those ten years, prices ranged from 36s. to 78 4d.—a range of 42s. 4d., or 118 per cent. The ave age of the whole is about 56s. In 1628, the pric rose, between 28th September and 24th October, from 68s. 6d. to 76s. 6d.-eight shillings in four week In 1829, it fell, between 6th August and 17th Septen ber, fram 71s 6d. to 55s. 4d. or 2s. 8d. a week. The general weekly averages, taken year by year, ve ry, on an average, 1s. per week; and the weekly re for the future calls upon the philosophic statesman and fluctuate up and down, on an average, about 1s. 6c

^{*} The figures in parenthesis refer to numerical tables appended to the memorial, which we are obliged to omit.—Eps. N. G. Parker.

per week per quarter, equal to 41 cents in a bushel of wheat, or \$2 31 a year.

The commercial effect of this system has been to encourage speculation. The momenta deficiency appears in the slightest degree probable, the grain dealers naturally withhold their stock on hand from the market; orders are sent to the continent grain, to be imported in bond, to be entered as soon as the full of duties will answer; priceare tushed up by all the arts of trade; and, as soon as the duty sinks to the desired rates, (any 6s. 8d.,) the whole stock in bond is entered for consumption, and thus added to the general stock; and, if the deficiency proves amaginary, or small, prices fall as rapidly as they rose before, the duty runs up again, and the speculators have received the whole benefit. Thus a gambling character is imparted to trade, as detrimental to commercial morals as to the general prosperity. From July, 1828, to December, 1838, the quantity entered was 6,788,880 quarters, of which 5,088,946, or 75 per cent., paid duties not exceeding 6s. 8d; and of this, 3.225.263 or nearly 59 per cent. of the whole quantity, paid only 1s. duty. In the year 1837, there were entered for consumption, 232,793 quarters wiscat, and 40,187 hundred weight of flour, paying duties to the amount of £306,869. In the year 1838, there were entered 1,740,896 quarters wheat and 393,-857 cwt. flour-being more than seven times the quantity of wheat, and nearly ten times the quantity of flour entered the preceding year, paying only £146,533 duties, or less than 50 per cent.; whereas. had the rate of the duty been equal in both years, the duty in the latter would have been £2,3/3,129. From 1st September, 1838, to 30th November, 1839, duty was paid on 4,532,651 quarters wheat, the prices ranging in the time from 61s 10d to 81s. 4d., and the duties ranging from 1s to 20s. 8d.; but the average of duties was under 3s. 7d. (15, 16.)

The tendency of this system to general impoverishment, and to the increase of misery and discontent aniong the poorer classes, is already awakening in-tense observation in Great Britain. The manufactories stop work, because orders do not come from America: and the orders are not sent, because that which payment might be made to a large amount will not be received on any just and reasonable terms. The goods received on any justaina reasonance or use. And good are wanted here, and our free industry is abundantly able to produce the means of payment; but the great stable of the northwest is under an interdict. The staple of the northwest is under an interdict. operatives are thrown out of employment, and reduced to the lowest means of subsistence, and unable to consume a full measure of the products of agriculture, and thousands are made punpers, and become an absolute charge upon the land. The consumption of agricultural products is diminished; the agricultural laborers share the common distress; and agriculture itself, the very object sought to be benefitted by this unnatural arrangement is oppressed by its own protection .-It is demonstrable that a well-employed, well-paid, well-fed, prosperous community of operatives would consume and pay for more agricultural products, in addition to the wheat they might import from America, than a depressed and starving community would without the wheat.

The best authorities agree that a very large proportion of the misery which we hear of among the factory children, is the result of the corn laws; first diminishing the employment and wages of the parent, and then raising the price of his provisions, until sheer want drives him to sacrifice his children for bread ! Thus, while we are wanting goods, (not, indeed, the necessaries of life, but the comforts of civilized and refined life,) our national revenue falling short, and our granaries bursting with abundance, England's mills are atanding still, and her poor perishing with hunger -Sarely the common instincts of our nature, the enlightened and philosophic benevolence which regards human happiness as the great object of human society and government, require a faithful examination of this system by all nations.

The question, where Grent Britain is to look for supplies of wheat to meet either the occasional though frequent deficiencies of her harvests, arising from her uncertain climate; or the regular demand, not now very distant, caused by the increase of population beyand production, is one already exciting the attention of her statesmen and political economists. The Baltic contries are an unsafe reliance, because it is supposed they have already reached their maximum. land, from which large quantities of grain have been brought, is now in process of a great moral and ace al revolution, which, by enabling every peasant to cat his daily bread, will not only furnish a home market for Irish wheat, but ere long, erente a demand for American flour in exchange for Irish linen. The quantity

of wheat brought from Lichard in 1832 was 552,740 of which prompts from terms in reservant states and states in the paratrest; in 1830, but 190,600 quarters. (14.) The Black S a is mother source, but the wheat is of inferior quality; few goods are taken in payment, leaving the balance to be met with species; the voyage is long, and wheat very likely to be injured; and the cost of freight enormously disproportioned—the cost of freight and charges from Odessa being from 16s to 19s. per quarter. The six northwestern states of this Union, with their present products, consumption of goods, and capability of increase, exactly meet the exigency. The examinations made by the persons employed last year in taking the census, show that the product of wheat in those states, excluding Wiskonsin, in the year 1839, was 25,241,607 bushels, equal to 8.6 bush els to each inhabitant; of Indian coin, 87,620,868 bushels, or 29 8 to each inhabitant; of other kinds of grain, 29,735,202, bushels, or 10 to each inhabitant: and the total of all kinds of grain was 48 bushels to each inhabitant. There can be no doubt that the products of 1840 was very much greater than this; but there are no means of ascertaining the extent of the increase. In some extensive sections it has been estimated at one-fourth, and even one-third. The wheat crop of the whole United States, (excepting North Carolina and Kentucky,) was 75,995.787 bushels, or 5 bushels to cach person; and of Indian corn, the crop was 301,947,658 bushels, or 20 bus els to each person. (17.)

If we now turn again to the six northwestern states and territories of the Union, we shall find that one of the greatest interests of the nation is the filling up of those countries with a sufficient population to complete the social organization. Without requiring that they should be made as populous as England, with ner 294 inhabitants to a square mile, it may be safely assumed that the structure of society will not be rendered complete, in a country so destitute of mountains and waste lands, with a less population than 50 to a square mile; of this number, they now have but a quarter. Any policy, of course of events, which hinders the influx of nopulation, is therefore calculated to protract the period of comparative unorganization.

In addition, those states have burdened themselves with heavy debts, - all incurred for the purpose of making roads, canals, and railways. All these improve-ments were calculated with reference to the conveyance of the products of the soil to markets out of their borders, and all converging, in effect, towards the great Atlantic scaports, whence those products a boul seek a European market The stocks of these states are greatly discredited, -chiefly, it is be heved, through the unfortunate neglect of a well established axiom in finance, which forbids the creation, of a public debt, without a specific pledge of revenue, from taxes of some other source, sufficient to prevent the accumulation of interest. And even now, the states are reluctant to tax themselves, and greatly injuring the country by delay, because they do not see a fair prospect of sale for the products of their land, which is all they have to sell. And how are they to acquire the mens of paying the taxes necessary to sustain these stocks, unless they have a market for their simples ? And how are these public improvements ever to pay for themselves, unless the produce of the country can be enrried on them? And whither shall it be carried, if there is to be no foreign market?

The Federal Government has expended more than million of dollars in creating artificial harbors on the upper lakes; and two or three millions more are required to complete them in such a way, that what has been done shall not be destroyed. In addition, harbors are required by the most argent necessity, along the coasts of Lake Michigan, now, for hundreds of miles, destitute of a shelter for shipping. These works are all standing still, because the revenue is short; while the tooth of Time is rapidly consuming the unfinished constructions. (18.)

Should it, indeed, come to be settled that there is to be no foreign market for these products, the fine country under contemplation is not, therefore, to be despaired of Let the necessity once become apparent, and there will be but one mind among the people of the North-West. The same patriotism which carried our fathers through the self-denying non-importation agreements of the Revolution, will produce a fixed determination to huild up a home market at every sacrifice. And it can be done. What has been done already in the way of manufactures, shows that it can be done. The recent application of the hot-blast with anthracite coal to the making of iron, and the discovery of a mine of natural steel, would be auxiliaries of mmense value. We could draw to our factories the best workmen of Europe, attracted less by the temptation of wages, than by the desire to leave liberty and

land as the inheritance of their children. But it would take a long time to build up a manufacturing interest adequate to supply the wants of the N. West. or to consume the produce of those wide fields; and the burden of taxation for internal improvements, uncompleted and upproductive, would be very heavy and hard to hear, and all the population that is concentrated upon mininfactures, is so much kept back from the occupation of that noble domain; and the national treasury would feel the effects of the curtailment of imports and the cessation of land sales; and the amount of misery which the loss of the American market would oceasion to the starving operatives and factory children on the other side of the Atlantic, is worthy to be taken into the account, by every states. man who has not forgotten that he is a man.

On the other hand, let it be supposed for a moment that the landholders of England would be satisfied with a fixed and moderate duty, in addition to the protection afforded by the cost of freight and importation, now amounting to 30 per cent, of the net proceeds. There would then be a constant market for wheat in England, to which the uncommonly uniform climate of the North West would furnish a constant sud full supply; and the whole returns would be required in Supply, and the waste country to see the descrip-tion that yield the greatest profit. Immediately, or-ders would go from this country to set every wheel, and spindle, and hammer in motion. Immediately, these states would be willing to tax themselves for the interest of the public debt, because they would see how taxes could be paid. Immediately, the state stocks would rise, because the interest would be secured, with a certainty that the public works would be completed and rendered productive. The manufacturing industry of England, and the agricultural industry of industry of England, and me agreements mousely or the North West, would be stimulated to the highest productiveness, by the best of all encouragements—the hope a fair reward. The grest cotton simple, too, would feel the benefit of a new and healthy impulse given to trade. The public works would be finished. and the lines of communication now open would be thronged with freight. New York would abolish the dety on salt, for the sake of securing to her own the Opio, the Maumee, the Wabash, the Illinois, and the Wiskonsin canals, now strongly tending in that direction. (19.)

The demand for the public lands would pour a steady stream into the national treasury on the one hand; to be met by a current from the imports on the other, furnishing an adequate revenue for the completion of our harbor works and national defences. The exports, no longer confined to a single staple, and drawn from the most productive of all branches of labor-the cultivation of a rich soil that costs next to no hing-would keep foreign exchanges in a healthy state; new ties of mutual advantage, and new inducements to mutual justice, forbearance, and peace, would arise between two nations of common origin, from whose influence the world has so much to hope for; our own manufactures would be left, under their present protection, to a healthy and natural growth with the growth of the country: and our nation would be saved from another tariff controversy, to occupy and embitter the debates of another political generation.

Are not these objects worthy of the consideration of American statesmen? May an obscure citizen, who loves his country, be pardoned for his presumption in sprending these imperfect suggestions before the American Senate ?

Your memorialist respectfully requests that useful information may be collected and diffused respecting the wheat product of the North West; the condition and extent of the foreign market now open for American wheat and flour; the obstructions interposed by the regulations of foreign governments, and the probability of any repeal or modification of those regulalations; and that Congress will adopt such measures as shall be deemed wise and proper, to secure an equitable and adequate market for this valuable product.

Your memorialist has prepared, from the best materials in his reach, with some labor, a number of tables illustrative of several of the topics in this memoir.

Washington City, Feb. 25, 1841.

It is moral excellence alone that renders a free people great and happy. Without it, all is empty splen-der and hollow decay. Religion is the source of most of the moral excellence of the race. Its influence, when pure and liberal, is the most wholesome and en



ROCHESTER, JUNE, 1811.

Cheering Prospects.

It is highly gratifying to observe so many signs of returning prosperity, as we think we do at present. The unusual interests which is now awakening throughout the land on the subject of agriculture and domestic industry; the expected modification of the American teriff and of the English corn laws; and last, though not least, the smiles of Divine Providence, in sending as warm and favorable weather and promising crops, is certainly calculated to drive away the gloom and despondency which have enshrouded the minds of too many farmers of late, and to fill their their beatts with hope and cheerfulness.

To our Friends.

This number completes the first half of our present volume; and the friends of the New Genesee Farmer, who have labored so efficiently to increase its circulation and promote its usefulness, will be gratified to learn that complete success has attended their efforts. Our circulation exceeds our most sanguine expectations, being now 17,000; and before the close of the season it will doubtless exhaust our edition.

We are conscious that this result is to be attributed mainly to the favor and aid which the paper has received from the friends of the cause throughout the country; and while we express our sincere gratitude, we desire to assure them that no reasonable pains shall be spared on our part to merit their continued confidence and aid.

We regret that a pressure of other business, together with some poor health, has prevented us from bestowing that amount of time and attention to the Farmer and its correspondents, which we could wish. We intend to make better arrangements in future, so as to increase the interest and neefulness of the paper.

Pleasing Letters.

We have not made a practice of publishing the numerous complimentary and encouraging letters received by us during the few months past, although they have been highly gratifying to our own feelings. But when, like the following, their tendency is to edify and encourage our friends and correspondents as well as ourselves, justice to our readers demands their publication.

The first letter is from a worthy Minister of the Church of Scotland in Conada, and was written shortly after the commencement of the precent year. It was not intended for publication, but we are confident the writer will pardon the liberty we have taken.

Missas. Eortons.—Your determination to persever gives me much pleasure. You will please continue sending me the New Genesee Farmer, for I cannot afford to lose the instructive enjoyment of my arm-chair intercourse with your various correspond.

In the surface of the surface o

human genius. This, to me, is one of the principal charms of your publication, although I am aware it is not the most important advantage. The principles of agriculture are to be inferred only from facts, and the isellity which you offer for the statement of these facts to every worthy and public spirited, young or old individual around you, is the gathering in of sheaves for a great harvest of science. That is the late and great meit of the New Genesee Former.

I cannot exactly say that it belongs to the office of a Minister of religion to publicly recommend and pray for the success of the New Genesee Farmer, though things more absurd have in that way been done, but there can be no objections to his doing so in private. One of my deepest convictions is, that a good larmer, of all orders of men, is most likely to be a good christian. He must be a study man: he must love to work for the work's sake as well as the wages, and above all he must be a lover of all sorts of cattle. Now no one that loves the different races of cattle can have the nature to hate the race of man, and he that loves man—just go on and see where you will end.

Excuse this, Messrs. Editore, and convey, if you have any means of doing so, my carnest request to my friends of the by-gone year, that they will continue to correspond with me—I ought to have said with you, gentlemen, but beg pardon, and remain,

Yours, &c. L. T. W.

A Compliment from Ohio.

We have seldon received a more gratifying letter than the following from a worthy and influential gendeman in Ohio. The approhation of such men is no small reward; and it encourages us to persevere in our attempts to merit such praise.

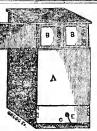
Missrs. Editors—I have been making an effort to increase the circulation of your paper among the members of our Agricultural Society, and as the result, I herewith send you the names of sixteen subscribers. The superior value of the New Geneses Farmer to us, above all other papers of the kind, I consider to corrist in its freedom, thus far, from speculative theories—its refusing to publish the gramblings of discontented and prejudiced men, calculated to discourage farmers from adopting the most approved system of tilling the soil—and its plain practical common sense and safe directions to the farmer.

I am enthusiastically fond of the cultivation of the soil, and if I had time, I would give you the results of my experience in raising and feeding roots, &c .- perhaps I may do so hereafter. I have often risen from the perusal of your paper with this thought, Now that one number is worth more than the price of the whole rolume. I hope you will 'go on and prosper.' Don't humbug the farmers and discourage them about any thing, if you can help it. They are too casily discouraged at the heat; and the failure of a new production, or of an agricultural implement to answer its recommendations, will throw (some of) them back years in their improvement. When a good cause gets well established, a single failure don't injure it much; but improved agriculture is not thus established among the mass, and a puff of a poer thing, or the discouragement of a good one, will alike do mischief. I know it is difficult for you to avoid all these evils, but you have hitherto been very successful, and I trust you will still continue to be careful. Wishing you great success, I remain yours truly,

Lorain co. Ohio, May, 1841.

We sincerely thank the writer of the above, and hope he will excuse the liberty we have taken. We should be happy to hear from him often.

** We should be pleased to add the signatures to the preceding letters, had we permission to publish them.—Ers.





The Self-Protecting Bee-Hive.

Mr. Julius Smith has left several of these bives at the Rochester Seed Store, and is desirous of introducing them into use in Western New York. We be lieve them to be of an improved construction, and a his request publish the description given in the Cultivator, by the inventor and patentee, Wm. M. Hallof New Haven Conn.

"The hive at your office, is of the exact form, and of the most suitable size and workmanship for use; and it contains all the principles of my patent. By th construction of this hive, three very important princi ples are brought into operation. 1st. The communi cation from drawer to drawer, thereby enabling th bees to pass freely from one drawer to the other, ma king as it were, but one drawer, when in fact ther are two, thereby producing the most happy effects and causing the bees uniformly to build in both draw ers at the same time, when without the communica tion, they usually fill one drawer, before they con mence in the other. These drawers are removed b means of two right angled metallic slides. perpendicular hive is obtained which should always b the case; without which the economy of the bees much disturbed. It is well understood among apid rians, that bees always build their combs in perpendic ular sheets, without regard to form or size of the apar ment, consequently if the bottom of the hive is cor tracted, some of the filth must lodge in descending thereby causing much derangement in their open tions; but if the hive be perpendicular, all filth diaer gaged by the bees, immediately falls to the botton when it is at once discharged by means of the incline plane. 3d. The base or protector. The base is the The planes may be constructed to any degree of inclusion desired, without injury to the hive or been they furnish an opportunity for the bees to alight ar enter both at front and rear sides of the hive, at tl same time enabling them to cravel to any part of tl hive without again flying. Bees on returning to hive, at a cool season of the year, partially benumbe if obliged to fly after once alighting as from a susper ded platform, frequently die for want of strength rise; and that too at a season when their numbers a. more wanted to produce animal heat sufficient for tl wants of the brood. It is not unfrequently the cas that whole colonies when thus treated, perish the month of April. The hive is ventilated by cl sing the planes more or less as circumstances seem require.

I describe the construction of the Self-protectia Bec-hive, as follows. Observing that my improve hive consists of three parts, viz. 1st. A perpendict lar bive thirteen inches square more or less, as see in the accompanying drawings, fig. 15, A. 2d, Ti in the accompanying drawings, fig. 15, A. 2d. T chamber with communicating drawers at the top the hive for extracting the surplus honey, without de troying the bees, as seen in fig. 15, B. B. 3d. The base or protector. The base is a square frame of the si: of the body of the hive, about 4 inches deep, without to or bottom, on which the hive rests, as seen in fig. 15, (being connected and hold in place by dowels, as see at X. X. and books as seen in the figures. The from and rear sides of the base are narrower than the other sides by about an inch, leaving room at the bottom, I the play of the inched planes, which form a botto for the hive; consisting of two inclined planes slan ing from the top of the base to the bottom. The inclined planes consist of boards hung within the bo of the base, on pivots passing through the sides nethe top edge of the center of the sides, and extending below the lower edge of the base in front and rea with a play of about an inch, as seen at F. which re resents the plane inclining to the front. G. The fro of the base. H. The pivots on which the inclinanes hang D. The projection of the inclined planes the bottom of the base. E. The hook to close it ght against the bottom of the base when required. "The base or protector should be separated from

"The base or protector should be separated from a hive during the process of hiving, when the bees are entered the hive, it may again be added, and the danes hooked up, when it may be carried to eny sitiation desired, without injuring the bees. The base any also be added to eny hive of suitable size and orm already containing bees."

Julius Smith of North Brantford, Conn., has purchased of Mr. Hall, the right to make, use, and vend to others the right to make and use the above hives in the counties of Chauttauque, Cattarangus, Eric, Nisgara, Orleans, Geoesee, Allegany, Livingston, Monroe, Whyne. Ontario, Yates, Steuben. Seneca, St. Lawrence, Franklio, Hamilton, Montgomery, Fulton, Clinton, Essex, Warren, Washington and Scheharie, State of New York. He therefore offers to sell rights for counties, towns, or single hives, on reasonable terms. The hives can be examined at the Rochester Seed Store, and Messrs. Batcham & Crosman are duly authorized to sell hives and rights. Price of shive \$5.

The public are invited to call and examine the above hives and read the certificates of those who have used them.

B. & C.

Opeida County Awake,

Misses. Entrons—An Agricultural Society for the county of Oneida, was organized at Rome, on the 21st of April. An address, full of interest, was delivered by H. S. Randall, Eq., Corresponding Secretary of the State Society.

The following officers were chosen:
Hon. POMEROY JONES, President.

Thomas Goodsell, Harvey Bradley, Riley Shepherd, Lester Barker, Einstus Jeffers, Salmon Case, John Barker, A. Carmichnel, V. Tuthill, Ingham Townsend, Vice Presidents.

Benj. P. Johnson, Corresponding Secretary. S. Moulton, 3d, Recording Secretary.

S. Moulton, Su, Recordin

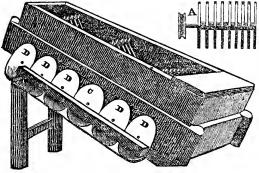
J. Hathaway, Treasurer.

Eion Comstock, J. G. Green, W. B. Wright, G. Walsworth, Geo. Bristol, Managers.

At a subsequent meeting of the officers it was Resolved, To raise the sum of \$100, and to hold a

fair on the third Wednesday of October.
From the interest manifested, it is believed a new impulse will be given in Oneda, to Agriculture, and I trust the time is at hand, when our county, rich in her natural resources, will be rendered still ticher, in their successful development. Yours.

Rome, May 21, 1841. B. P. JOHNSON.



BEEBE'S STRAW CARRIER.

The above engraving represents a machine for removing the straw from the cylinder of a thrashing machine—invented and patented by Uriah Beebe, of Riga (formerly of Clarendon.) It consists of six (or more) revolving rakes (B) set in a frame in such a monner that when in motion the teeth pass between each other, and take the straw from each other to the end of the frame; while the grain is shaken out and carried through a screen to a blower below, where it is separated from the chaff.

One end of the shaft of each rake (A) passes through the side of the frame, and has a whir attached (D.) The third, or middle whir, (C) is made of double thickness, so as to receive a band from thirshing machine. Another band is passed round all the whirs, and a strip of board is fastened to each, with a single screw, so as to give uniform motion. Thin boards are placed above the sides of the frame, to prevent the atraw from pattering, and a floor or apron, of boards, is placed below to catch the short straws, where they are taken up pagin by the rakers till carried off.

The inventor has been several years experimenting with and perfecting this machine; and be now feels confident that it withe found well worth the attention of farmers. It can be seen at any time at his residence in the town of Riga, but way between Churchville and Caledonia. Single machines, with a blower, will be sold for \$33. County or State rights on reasonable terms. Address, URIAH BEEBE,

Riga, Monroe co. N. Y.

Testimonial.

We the undersigned, residing in the towns of Wheatland and Riga, having seen Uriah Beebe's Paten' Straw Carrier in operation, believe to be the best machine for the purpose now in use: for the following reasons: It performs the work in the best manner and with the least power. It performs the labor of at least four hands in the ordinary way; and the ower required to propel it is only about the same as for the common fanning mill. It separates the straw from the wheat, and with a blower attached, the chaff also. Possessing, as it does, these superior qualities, we cheerfully recommend it to the public.

JESSE GOODWIN, W. F. GOODWIN, J. O. GOODWIN, D. W. McPHERSON, DUNCAN TAYLOR, J. J. ANDERSON, B. F. SHEPARD D. TAYLOR, ERASTUS E. DOTY, W. KNOWLES, S. MARSH, ROBERT SMITH, J. Micherrson, Jr.-Le Roy.

Important from England -- Com Laws.

Late English papers bring the welcome intelligence that Parliament has commenced a discussion on the subject of the odious corn laws, which it is confidently expected will end in their repeal or modification.-The highest excitement is said to prevail on the subject among all classes, and petitions, with millions of signatures have been presented to the government, praying for the repeal of this oppressive system of tax ation. Lord John Russell has announced that it is contemplated to establish a fixed moderate duty on bread stuffs, in lieu of the present fluctuating and exorbitant rates. The subject was introduced into Parhament by a motion adopted by a ununimous vote of the Cabinet Council; whereas only two years ago the head of that Cabinet, Lord Melbourn, declared the corn laws could be approached, touched, or altered, only by a madman !!

The London Times contains the following remarks which may doubtless be regarded as the language of millions:

"THE CORN LAWS .- It is no slight addition to the claims of a cause, which has already so much justice and reason on its side, that they are backed by the most appalling statements of the present destitution and progressive decline of our manufacturing population. The sufferings of millions demand relief, even though that relief were not identical with the truest policy of England. But the welfare of the mass is identical with the interests of the country; and it is because the general privation and the general loss have not family measured against the particular advantage of a protected interest, that the energies of the country are weighed down by an unequal and injudicious system of taxation. We argued the other day, in favor of a reduction of the sugar duties on behalf of the West India planters; and we now confidently await that messure, with some others of equal importance, from the Government. But with how much more weight should we have spoken if we had dwelt on the st fferings of a people offlicted by the curse of scarcity; and it we had asked our rulers not only to benefit the planter, and to increase the revenue, but to feed the people by diminishing the duties on colonial produce-by adjusting the tuxes on corn upon a system better calculated to avoid the evils of excessive fluctuation in price and entire prohibition, and by sweeping away the dut.es which exclude us from foreign markets without adding to our own revenue.

The London Chronicle (radical) of the 3d May

asys—
The sensation produced by the Government notice of F, idsy night on the Corn laws is rapidly extending through the country. Every where it is the signal of exettement and determination. By the monopolists it will never be forgiven; and by the people it will never be forgotten. Ministers have fairly thrown themselves on the nation for support in the assertion of a great national right and untrest. The untaxing of the people's bread is a prespect full in view; and the people will spring towards it the house on their prey.

Soaking Onion Seed.

Messes. Entrons I have tried the experiment of sprouting Onion seed as per directions of a correspondent of the Genesee Farmer. After covering the seed with warm water several times in the course of three weeks, I despaired of their sprouting, and planted them by themselves—planting the adjoining bit with dry seed. The result is, that the soaked see came up in four or five days, during the cool weather of the early part of this month—they are now ahead of the weeds. The dry seed just begins to appear, after two weeks planting.

SENECA.

Striped Bugs -- Inquiry.

Messes. Epirons.—Is there any certain preventive of the vellow striped bugs that destroy our vines? I have never seen any thing yet that would keep them off, that did not destroy the vine. If there is any thing that may be depended upon, please make it.

RIMARKS.—The only sure and effectual way that we know of is to cover the vines with milinet frames. Perhaps some of our correspondents can inform us ot a better.—Eds.

Apswers to Inquities.

Our correspondent at Augusta (EL) is repectfully Informed that we have not room in our columns for the article on flowers that be wishes to be republished; but if he will examine our first volume, he will find the proposed alternative in some measure, anticipated.

Many varieties of the pear, apple, &c. sre much finot in some pasts of our wide spreading country than in other parts. For instance: the most popular pear in this district is the Virgalien. The froit is delicious; and the tree is hardy, thrifty, and productive; but it is thrown out as worthless in some parts of Massachusetts. Every nurseryman ought to ascertain what fruits are best adapted to his peculiar climate and situntion; and if he does this extensively, taking his scions only from bearing trees in his own district, every thing that our correspondent wishes on this point, would be accomplished.

It would be a great labor to give a list of our apples. For winter fruit, the Swaar and Spitzenburgh sre among the best; but to have them fine, it is necessary that the trees be well pruned. As the branches become crowded, the fruit less in size and in flucor. The Roxbury Russet is chiefly valued for its long keeping; but some new kinds, much finer in quality, are said to keep equally well; and of these, some account may be given hereafter in our columns.

Thorn Hedges.

Messas. Entrops-I wish through the columns of your paper to inquire the best method for making live fence (hedge.) Last spring I took up what small thorn bushes I could find, and set them out about six inches Nearly all grew, and I should think they would make a good fence if they could be obtained in sufficient quantities. In the fall of 1839, I gathered a quantity of thorn apples, mixed them with earth, and let them freeze. In the spring, I planted them, but none have come up I wish to know in what way they may be made to grow? and if common thorn is ns good as the English? and where English seed can be obtained? In short, I wish to find out the best way to commence and raise a live fence ?

L. H. BRANCH.

York, Ohio, March, 1841.

Remarks.-In Cayuga county we have seen the English thorn (Cratagus orycantha) in two places, six or eight miles apart, and in both it was suffering from fire-blight. In Ontario county also, a correspondent of the (Old) Genesce Farmer says, "where the English thern was tried, that part of the hedge which was clipped [as all hedges ought to be] was mostly destroyed by a small anow white insect, with which it was in many places literally covered." On the contrary in Nisgars county, we have seen hedges of the English thorn that appeared to be healthy; but we should be unwilling to employ much labor or expense on this exotic. Many years ago, in the town of East Hampton on Long Island, nearly two hundred miles of this kind of bedge had been planted; but it all d.ed. Writers in that vicinity, ascribed their loss to a fly that deposited its eggs through the bark, and to a worm that preved upon the twigs.

In the southeastern parts of Pennsylvania, we have seen many miles of hedges made of the Washington It is certainly not the low prices since 1836, for they or Potowmac thorn (Crategus cordata.) The seeds appear to grow as freely as those of the pear or apple. A box containing a parcel of them for us, had been detained over winter on the canal; and when it arrived in the spring, dozens of the roots had penetrated the cloth that centained them, sticking through it on every side like the spines of a hedge hog.

This thern bowever, though so easily propagated, is subject to a malady that greatly impairs its beauty,

neighborhoods the leaves become spotted with yellow. We have not understood that any of the hedges have yet perished from this cause; but we had a crab tree (Pyrus coronaria) which died last season, after sufforing several years with spotted leaves of the same

While hedges of the Washington thorn were discolored in this manner, we have seen beinges of the New Castle thorn (Cratagus crus-galli) on the same farm and closely adjaining, in perfect health and greenness. No dangerous insect is known to attack it; and farmers who have planted miles of thorn hedge, decidedly prefer it to all other sorts.

The seeds however, are much more difficult to germinate. We have seen them treated in the following manner; and we have understood with uniform success. A small trench was cut on the north side of a building, duecdy under the eaves. Into this, the haws mixed with sand, were deposited in autumn; and as they acceived in this shaded place, the droppings of every shower, they were kept always moist through two winters and one summer. After softening in this manner for eighteen months, they were removed to the seed bed.

Many other shrubs have been recommended for hedges, such as the Red Cedar, Osage Orange, &c. With E. Hersey Derby of Massachusetts, both the English thorn and the Honey Locust were entire failures; but with the Sea Back thorn (Rhumnus catharticus) he was completely successful. A part of the Back thorn however, like the Honey Locust and Cratagus punctata, have no thoms on them. We raised hundreds, and never saw a thorn on one of the kind; but we have lately procured seed which may do

High Prices induced by High Tariff on Imports. cannot make the country rich, or pay its foreign debt -- Protection necessary to Silk Cul-

Messas. Editors-A correspondent of the New Genesce Farmer takes exceptions to my text, " that low prices are more favorable to a nation's wealth than high prices."

Him who takes this text in connection with the illustrations of the context, will find that, like a " plant of bitter growth, it bears on its head a sweet fruit."

It has always been the case in England, that when the prices of agricultural productions are low, capital is cheap, her manufacturing industry receives a new impetus; competition reduces prices of manufacture at home, by inducing greater economy and renewed improvements and division of labor in every department of industry; her export trade is increased to an unparalleled extent, and she becomes now, more than ever, the creditor nation of the world. On the other hand, when agricultural productions are high in England, the most feverish state of things exists; the banks curtail their issues, that they may not be ruined by a demand for coin to send to the continent to buy corn; manufacturing industry is paralized or embarassed. and the screws are immediately put upon the debtors of England in the United States.

What but the high prices of 1835 and '6, has caused the general bankruptcy of our cetton growing States? are no lower than they were on the average for eigh, years previous to 1835. The rise in cotton in 1834, from 101 to 13 cts, and then in 1835, to 161 cts., torned every head; the United States Bank endorsed the mania, and furnished the facilities to accelerate the common ruin.

The high prices of cotton, our great agricultual stople, in 1835 and '6, was the great stimulting cause of all the bank inflations, and consequen specuand hereafter may prove ruinous. In particular lation and high prices throughout the whole mion at has also been found advantageous.

that time. New England got great prices for h manufactures at the South and South West. Ne York felt herself tich when she saw upon her ledg such vast amounts due from the South. England, 1837, wanted our flour at \$8 per barrel in New Yor but our commission bouses said, if we hold on, Ne England will give us \$10 .- Instead of exporting, v imported grain from Europe. The same with man factured articles. In 1836 we imported \$60,000,00 while we exported next to nothing, awing to the hig prices at home.

We now have the sad spectacle of a country grov ing poor in the midst of high prices. How has it bewith the year of low prices, 1840? An unusual e port trade-our exports exceeding our imports \$27 000,000-an export of manufactured articles treble t amount of any former year.

Our export of flour, and pork, and Indian corn, h also been unusually large the past year: it has do much towards paying our foreign debt. But had t price of flour been only one dollar per barrel highe it must have been consumed at home, as bread sin from the ports of the Baltic and the Black Sea, won bave supplied the hungry parts of the earth at low

Your correspondent says that by a protective tar we may soon extend our manufacturing interests, as to create a home market for the "great part of t cotton grown in our country." I would then ask hi bow we are to pay our great foreign debt of \$264 000,000 ?- and besides, the most radical high tar advocate does not claim any further protection for o cotton manufactures from foreign competition, th they now have. Our Western farmers seem to unde stand the great importance of cotton to the Union. not only pays the foreign debts of the South, but t North and West also Cotton alone makes up in val four-fifths of our agricultural exports. I would the ask what would be the siste of the nation without il great staple, as an article of export, and an element our foreign trade?

Your correspondent says, that in protecting o manufacturing industry, "aid is not so much need from our State Legislature as from Congress.' relation to the culture and manufacture of silk, would invoke aid from both. The State should gra a bounty, and Congress should pay an impost on 1 foreign article, as high as the spirit of the Comp mise Act will permit. Silk is by for the greatest it in the account of our foreign importations. It 1 been computed that the amount of foreign silks co samed in the State of New York alone, for the last years, will exceed \$50,000,000-sn amount gea than the cost of all our canals and other prolic i provements.

But too much protection, like high prices, only brin about those evils they are intended to cure. Mr. Cl was once a radical on the subject of a protective tari but he is a man of too much ginius not to profit the lessons of experience. It also found that a tai tor revenue and protection was often inconsistent wi itself; hence his Componise Bill is intended to be bill for revenue only. We hope it now may be so t vised and amended as to serve the ends of protection such of our monifecturing branches of industry most need it, without infringing its character as a b for reveny only. S. W.

Wat loo, May 10, 1841.

important Discovery .- A Jamaica paper says, th an ingeni us physician and naturalist in this islan has discovered the practicability of using mosquito as a substitute for the leech, fifty of the large speckle kind being found equivalent to one leech; of the sms ler breed, from sixty-five to seventy being required -The greater irritation produced by the new application

Native Fruits.

The last number of the Magazine of Horticulture ontains Professor Russells' Address before the Midlesex Harricultural Society, from which we make ac following extract:

"The venerable relic of the far famied Chelmsford ear is yet existent on one of the oldest farms in that own. It is a natural fruit, of excellent market quali-ies, and known as the Chelmsford, Tyngsboro' and Mogul Summer. A mere thin shell of the once ex-imordinary trunk, yet bears a few scraggy branches: and from its roots are four strong suckers, all of which are identical in fruit with the trunk. Before the great gale of September 1816 [1] it was a very large tree: but being injured by that tormado, it rapid'y declined to its present condition. The stem however, bears an occasional erop, but was entirely barren the last season. Mr. Manning, the great pomologist, of Salem, remarks that it is a pear of the largest size, and extremely productive. For many years he searched in vain for its origin, sparing no expense in importing pears from the French nurscries to identify it. Inquiry on my part enabled me to confer a trifling favor on my friend, sail to establish the claims of old Chelms-ford to a fine native fruit.

"The history of the valuable Buldwin apple is familiar to you, bear ng in its cognomen a family name yet existent in our midst. A fine early apple has often been exhibited on your tables, originating also in Chelmsford, and known as the Spalding. tion of these three natural fruits in our vicinity, to pomology, is sufficient to encourage a research into natural varieties, which are as yet but little known. It should be our endeavor to find these out, and no pains should be spared in the attempt. Our own country is the region and natural location of the finest fruits.

For the New Genesce Farmer.

The Importance and Utility of the Dissemination of Knowledge among Farmers.

Messes. Epirors-The influence of a publication like yours, devoted to agricultural interests, should be directed towards the improvement of the minds of farmers as well as the introduction of improvements in the science of farming. Your columns have already furnished evidence that you are aware of this; and therefore my object is not to urge upon you any new duty, but to suggest a few reflections on the importance and influence of the dissemination of intellectual knowledge among farmers.

It would be a useless waste of words to enter into any argument to show that among this class of our fellow citizens there is no want of intellectual capacity. And if smong those who are engaged in other pursuits, there are any who arrogate to themselves a superior order of talents, they betray an ignorance unworthy of a man of common sense. The occupation of a farmer, it is true, will not furnish an opportunity for a senseless display of fashion; nor will his robust form and hardy countenance, give him the exquisite appearance of the straight laced and pale faced dandy. Yet, unadorned by the trappings of art, he is still one of nature's noblemen; and his intellect, when culticated, will duplay an enlarged and useful capacity, not alone fitted to the occupation in which he is engaged, but to any station to which he may be called through the operations of liberal institutions. And whenever the cultivated engacity of a farmer has been called forth to display itself, either as a legislator, or in the performance of any other public duty, it has by no means suffered from a comparson with those of much higher pretensions. It is not to be denied that there has been a lamentable apathy manfested by the great body of agriculturists in this country, or the acquirement of intellectual knowledge, which is he only thing that can develop the resources of the mind: and perhaps among no other class has there been such apparent neglect of books, or as little disposition to while we admit that they have neglected their own

have not the mental ability. It has heretofore been a too common error among farmers to suppose that it would be great sacrifice of time which ought to be devoted to their business, to appropriate any portion to reading. And even now it is not ancommon, to hear "want of time" urged as an excuse for neglecting to noursh the immortal mind from that fountain of knowledge, which is accessible to those of restricted means as well as to those of greater competency This mistaken notion however, is daily becoming less prevalent; and I believe there need be no hesitation in saving, that the circulation of agricultural papers has done more than any thing else to accomplish a reformation so desirable. Besides these bowever, there are numerous other valuable means afforded for improving the mind. The nm unt of knowledge which may be gathered from these various sources would, when compared with the amount of dollars and cents which it costs to obtain it, be like a comparison of the magnitude of the most lofty mountain to that of a mole hill. If any one thinks his means are too restricted to af ford the expense of a weekly newspaper, or the still less amount charged for agricultural papers, let him reflect for a moment, and he will discover that the means for such purposes are at the control of every one. It only costs the labor of a day, at farthest a week, to lay up a store for the mind upon which it may feast for a year. Neither the lack of means nor the want of time, can be considered a valid excuse to such as properly consider the subject. What farmer is there that can say he has not the time to give one psper at least, a thorough perusal, and only appropriate to it one-fourth of his leisure ?

Happily for us in this country, labor affords the means of obtaining whatever may be necessary for the comfort of the body, and at the same time may also provide for the necessary endowments of the mind. And if incentives be wanted beyond the comfort and happiness which an individual will secure to himself, our institutions have not failed to make the most ample pravisions.

Perhaps. Messrs. Editors, I have extened these remarks too far, inasmuch as they are only intended as ad introduction to what I propose to submit to you on this subject hereafter, when time and opportunity permit, provided my remarks shall be deemed worthy an insertion in your valuable paper.

Yours, &c., C. P. T.

Batavia, May, 1841.

Treatment of Hired Men.

Entreat not evil the hireling that bestoweth himself wholly for thee .- Ecclesiasticus.

Art thou a man employing others to till thy grounds? Then remember that thou hast a Master who commands thee not to over-task or to abuse them. are free men-the righs of free men are theirs. they are your equals in intelligence, character and respectability. Both duty and interest require you to regard their rights. They may demand, at reasonable times, as much palatable and wholsome lood as is needed to preserve unimpaired their health and strength. They may denisnd as many hours for rest and sleep as the human constitution ordinarily requires. They may demand comfortable beds. in rooms not unhealthy. They may refuse such excessive efforts or great exposures as would prematurely break down the constitution. They may claim kindness and civility in all your language towards them, and in all your treatment of them. It is no part of their con-tract that they should listen to onthe and curses, should such things pass your lips. It is no part of the contract that they shall bear such mental suffering, as unreasonable reproaches, unprovoked fault-findings, or Unungoverned passions on your part, may produce. til they forfeit it by misconduct, they may claim your confidence that they will be faithful to you and to your interests. When found unfaithful, let the fault be staencourage the useful publications of the day. But red, and a full mutual understanding be obtained. But his bad, very had for both emplayer and employed to suspicious of each other. Mutual confidence is for the i nterests in this respect, it will not follow that they comort and good of both, -- " Every body knows eve-

ry thing;" and if you undertake to thrive by keeping laborers on a shortallowance, by working them an excessive number of homs, by dint of scolding and fretting, by any secret sittiness, they will read your heart's secret purposes, and will find ways and means to diwart you in the accomplishment of your designs. Improdence and injustice on the part of employers, reate in part the untrustworthiness complained of in the employed.

We may preach next to the employed-the hired. -N. E. Farmer.

From the (Nashevile, Tenn.) Agriculturist. Is the Tsuiff a Political Question I

There is not a more ignorant and vulgar notion in society, than that which declares partyism to claim protection in the sales of our own products. Can any one tell what party it was that lay so heavy a duty upon foreign cotton goods, twenty five years ago, as to comble Americans to make better fabr es at one-fourth the value of those imported? Can any one tell what party it was that taxed foreign books, iron, sugar, salt, Oh, says the pseudo politicians, all parties con-Sec. 2 tributed to these matters, for that was right. Very good; but if both the north and the couth enjoy tho benefits of, and strennously advocate measures to promote their respective interests, does it not show that protection is the wish of every American citizen? The question of party originates then, not from the thing itself, but from the manner of administering it. The north will never consent to a tariff which scemsto favor the south, and the south will not agree to a system that will favor manufactures more than planters. But as every man is for promoting a system of protection that will favor his own interests, should it not be the study of all to tax such articles as would be the interest of every section of the country to do so? does not seem that partizens have become so sensitive and fearful of shadows, that fearful they will do wrong, they do nothing. Suppose the English make cotton to supply her own factories, and then bring a little for sale at a low rate to our own factories. The Southern will come forward and advocate a cotton tariff, but acting under the Lextalians, he should have no favors. However, we think it would be right, even in this event, and it is a very probable one, to protect our own citizens. The old maxim, that "charity begins at home," is pretty nearly always correct. At present it is doubiless the interest of every citizen of the United States to buy less foreign silk, and raise more at home. The best means of affecting these ends, in our judgment, is to lay a heavy tax on foreign silks, and give premiums to our citizens to produce both the raw mrterial and manufactured articles. Some one may ask. if we can produce silks equal to others, and as cheap, why do we need protection? There are but few, is yet, acquainted with the business, and a certainty of getting something, if it is a small price, will be sme to induce many to embark in the business. Another reason is, before we become well acquainted with the feeding of worms, and manufacture woundles, for want of knowledge, we may expect to meet with unforseen difficulties and sustain severe losses; and hero our country's encouragement would cause the d sorpointed and dispirited to try it again, and continue effort after effort, till ahundant success could be seen.

There is a certain training, or time of pupilage, ea sential to the success of any thing that is new, and the most watchful may expect to meet difficulties. is but little doubt silk can be produced in this country, twenty years hence, at less than one half what it car be now. We well recollect in our boyish days, having to set up, on a "noding stool," at the late hours of night, "picking cotton"-this consisted in pulling the fibres from the seed with the fingers, and if a man got enough in a week of nights to make himself a shirt, be did very well; but see now what improvement has done! Instead of half pounds, we count bales. And a better article can now be produced at less than a n better article can now be produced at less fourth what it could twenty five years ago. Shal se not anticipate similar results for silk ? Losses ray be anticipated at first, but improvements in care xtchinery, &c. will produce wonde ful changes statesmen then become sensible, and the people also gain enough of patriotic sense, to make their servants smile upon their labors. When the people come te understand their own interest, they will not address their members of Congress, or State Legislatures, as humble petitioners, but as sovereign lords of the land; whose commands must be obeyed, at the hazzard o. being recalled. When the great mass get ripe for action, legislation will be favorable, not before. Let none be ashamed or uftaid to talk of this matter, and teach it to both young and old, and the intelligence of the people will goon establish the silk culture.

N. Y. State Bounty on Silk.

The bill to encourage the growth and manufacture of Silk, was passed by the Legislature a short time before its adjournment. We believe it was slightly amended, though not materially, but as it will be some time before it will be published by the State paper, and knowing the anxiety of many of our readers on the subject, we give it them this month as reported by the Assembly, and if any alterations were made by the Sennte, we will mention them next month.

We first thought to omit all the preliminary remarks of the committee, but on examination we found them to contain so much important information and correct reasoning, that we felt unwilling to withhold them from our readers.

REPORT

Of the select committee on the bill entitled " An act to encourage the growth and manufacture of Silk."

[Committed to the Committee of the Whole.]

Mr. Ward, from the select committee to whom was referred the bill "to encourage the growth and manufacture of silk,

REPORTS:

That your committee have had the subject under consideration, have collected many interesting facts in relation thereto, and submit the same for the consideration of the House.

Your committee are surprised to find how great a field is here open and how long it has been neglected. They are satisfied beyond a doubt, that we have the power to produce and manufacture adk in this State to an immease extent, and that no difficulty is to be encountered either from soil or climate.

In their investigations upon this subject, the committee hardly know whether they have been most surprised at the beneficial results which have eventually accrued to those nations or governments where the growth and manufacture of alk have been encouraged and brought to a state of comparative maturity, or at the mattention and apathy hitherto manufested in regard to the great interest in this country, by a people so pre-emment for their spirit of enterprise, and unequalled in their ability and resources, whether mental or physical, for the adoption and the successful prosecution of any and every branch either of science or the arts, by which their wants may be supplied, their desires satisfied, and their independence of foreign labor and foreign ingenuity be fully achieved.

Your committee can attribute this reluctance or neglect on the part of the American people to embrace a subject of so much importance to themselves as the culture and manufacture of silk-an article which for years has ceased to be considered a luxury, and become one of daily and almost indispensable accessity -only to an ignorance which prevails of the great and increasing amount which their wants demand, the heavy tribute which they annually pay to foreign industry d foreign skill, and their want of a correct an i gene ral knowledge of the adaptation of the soil and elimate to the growth, and our ability to manufacture silk, equal, if not superior, to that of any other nation on the globe.

According to the report of the Secretary of the Trensury, the value of silk imported into the United States in 1833, amounted to \$3,498,366; but had inereased in 1836 to the enormous sum of \$22,980,212; while all our exports, except tobacco and cotton, amount to only about \$10,000,000 annually.

The nations of Europe and Asia, are generally en gaged in the culture and manufacture of silk; and your committee are of opinion that, in order to a full understanding of the subject, a brief history of the rise, progress and final success of the culture of silk in those countries, should be given at this time.

The first knowledge that we have of the cultivation of the adk worm, and the manufacture of silk, was among the inhabitants of Seriea, the northern part of China, from whence it derived its name.

More than 2,000 years before the Christian ers, an Empress of China, desirous of rendering silk worms more extensively useful, collected them from the mulberry trees, and introduced them to the Imperial apart-Thus sheltered and thus protected, they yielded alk superior in quality to that produced in the forests. She also taught in what manned to a shift of the past may be the misury when first confined to ladies of the highest rank, gradually future. And we trust the time is not far distant when first confined to ladies of the highest rank, gradually we shall see our wives and daughters arrays in silk have seen ests. She also taught in what manner to manufacture

As the manufacture increased, it became an article of exportation to neighboring countries, and finally became the great and inexhaustible source of wealth to Chins.

From China, it was exported to India, to Persis, to Arabin, and indeed to the whole of Asia. The expedition of Alexander to Persia and India, first introdu-The expeced the knowledge of sil's to the Gricians, 350 years before the Christian era. As in China, so also in Greece, ladics of the greatest distinction attended to the rearing of silk worms at their introduction there. For upwards of four centuries, the cultivation of silk was confined to the countries of Greece. Sicily and Nuples were ignorant of the art, and its introduction into the rest of Italy was extremely slow.

At Rome, 630 years after the introduction of silk into Italy, a silk attire of purple, was accounted by an emperor, as a luxury too expensive for an empre-s; its value being equal to that of gold, by weight. But so extensive is its culture at the present day throughout Italy, that two-thirds of their whole exports to all countries consists of salk.

Its first introduction into France was in 1491. But it is less than 240 years since its final and successful introduction into that country by Henry IV. government has continued its fostering care, until silk and its manufacture has become the most productive source of the wealth of France.

In all countries the culture of silk has engaged the particular attention of governments, and every encouragement has been given to increase its culture, and with success. Yet in our own country, so highly favored in all respects by nature, the successful introduction of the silk culture, is mainly due to individual enterprise. Until recently, individuals have struggled single banded and alone in the cultivation of this article.

On a careful examination of the subject, your committee are of the opinion that the period has fully arrived, when the policy of the Sinte of New York should be directed towards encouraging, by every consideration, the growth and manufacture of this valuable product within our own territory.

A number of our sister states have thought it adviable to encourage the culture of silk, by legislative bounty for a limited period; and why should the Emire State be behind her sister States, in encouraging and fostering the benevolent enterprises of the day.

A State bounty of fifteen cents per pound on cocome, and fifty cents per pound for reeled alk, continued for a few years, will induce farmers to engage extensively in the culture, and when once fairly established, we have no fears for the result. The State may then venture to leave the silk culture to rise on ts own merits.

It is an employment in which all may engage. The rich, with honor and profit to himself and to his family: and the poor man can by its successful cultivation, place houself and family beyond the reach of poverty and want.

Silk can be raised to a much greater profit than wool, because three pounds of silk can be produced from the same land that would produce but one pound of wool, and the raw silk will sell for eighteen dollars, The lawhile the wool will sell but for fifty cents. bor of raising silk is performed in six weeks, and may be performed by children or feeble persons, whose services would be worth but very little for any other purpose, while the labor of taking care of sheep and providing them with food lasts all the year; and s mnn with but little land, who has a family, can keep them employed at home, without the risk of sending them abroad for employment.

The cultivation of silk is an object more congenial with the domestic habits of the farming population, than almost any other of our household employments. And nothing can be said against the successful cultivation and manufacture of silk, but what was with equal propriety urged against the raising of cotton on its introduction into this country as an experiment,

yet its success has been complete—triumphont.

Cotton was first raised in this country as an experiment in 1788, and although but fitty-three years have elapsed since its first introduction, we now manufacture annually from 45 to \$50,000,000 in value of cotton goods, and export of raw cotton more than \$60,-000,000 in value annually. Such is the effect, and such the result, of well directed and properly protected domestic industry. Our success in the growth and manufacture of cotton encourages the belief that simi lar success will attend the growth and manufacture of

of their own manufacture; when, instead of paying foreign nations \$20,000,000 annually for this artic we shall export and receive back some of the man millions we have paid to others for this article

Entertaining these views, your committee have & amined the bill referred to them, and report the sar with amendments.

AN ACT

TO ENCOURAGE THE GROWTH AND MANUFACTURE OF SHE

[As reported amended by the select committee.] The people of the State of New York, represent in Senate and Assembly, do enact as follows:

Section 1. To any person or persons residing this State, who shall present for examination, to a justice of the peace of the city or town wherein su person or persons reside, a pounder more of good d silk cocoons, or a pound or more of good, well reel silk, and shall, by his, her or their oath or affirmatic or by the oath or affirmation, of some other credit person, prove to the satisfaction of such justice th the cocoons presented, were raised in the city or toy where such justice resides, or that the silk was reed in such city or town, and from cocoons raised this State. The said justice having examined a caused the same to be weighed, shall give his offic eeruficate specifying the number of jounds of eccoo or silk presented, the time when, and the place whe the same was raised or recled, and the names of t person or persons by whom the same was reised reeled, together with the name of the person by wac oath or affirmation the facts have been verified. A on the presentation of any such certificate to t board of supervisors of the same county, they havi examined and found the same to be duly given, sh andit and allow said certificate, and cause their allo ance to be endorsed upon the same, requiring t treasurer of said county to pay to the bearer thereo premium of utteen cents for every pound of eccount and fifty cents for every pound of reeled silk specifi in said certificate.

6 2. It shall be the duty of each county treasurer whom such e-ruficates thus audited and allowed sh be presented, to enter in a book kept by him for tl purpose, the date of said certificates, the number pounds of cocoons or reel d silk named therein, a the names of such person or persons for whose bene the same were given, and to endorse upon said cert cates his acceptance thereof, and the time when pr sent d to bim, and return the same to the bearer the of, to be presented for payment as hereinafter directe

& 3. On or before the first day of May, in each a every year, the several county treasurers of this Stato whom shall have been presented for acceptance a. auch certificate or certificates as are specified in t preceding sections of this act, shall cause to be me an abstract or abstracts of all such certificates so p; sented and accepted; stating the number of pounds cocoons or reeled silk, and the amount of premit due therefor, and shall transmit the same to the Con troller of this State, who shall by his warrant, suth-ize and direct the Treasurer of the State to pay to t county treasurers the several amounts specified in t shatracts I v them transmitted. And the said cour trensurer shall thereupon proceed to pay the premiur due upon the certificates by them respectively accept ed, as the same shall be presented for payment.

6.4 Fulse awearing or offirming under this act she he deemed perjury; and any fraud practiced under t came shall be a misdemeanor, and be severally punis ed as such.

§ 5. A justice of the peace shell be entitled to r ceive, for every certificate given by him, by virtue this act, the sum of twenty. Five cents, to be paid by tl person receiving the certificate.

§ 5. This act shall continue in force until the fir day of June, in the year eighteen hundred and fort; six, and no longer.

Liebig's Agricultural Chemistry.

We observe that an American edition of this wor has just is ded from the press, and such of our reader as are interested in agricultural science, will be richl reped for its perusal.

The high character of the work may be inferre from the fact, that it was prepared by Prof. Liebig t the special request of the British Association for th advancement of Science; and the ability with which the task was performed is evident from the extracts w

atroverted by able chemia:a of the day; and he apara also to have made some important discove-His theory of the operation of gypsum is ry interesting, and altogether plausible. ving ascertained the existence of ammonia in rain ster, he was led to the following conclusion. "The rhonate of ammonia, contained in tain water, is demposed by gypsum in precisely the same manner as the manufacture of sal ammonisc. Soluble sulate of ammonia and carbonate of lime are formed, d this salt of ammonia, possessing no volatility, is presentently retained in the soil. All the gypsum radually disappears, but its action on the carbonate of nmouia [of the rain] continues as long as a trace of exists."

The great mass of the opinions contained in the ork, of course are not expected to be original with rof. Liebig, although he has amplified them, and preented them in an interesting light; and we have een surprised to see the Cultivator and New England armer, attribute to him discoveries and opinions nown in vegetable chemistry long ago; especially the contiful explanation of the equilibrium maintained in he exygen and carbon of the atmosphere by the commetion and respiration on the one hand, and the rowth of plants on the other, in the latter journal.

Ashes -- An Important Suggestion.

It has been frequently observed by farmers, that ypsum on some soils, loses its efficacy, after several nuccessive applications. 'The crop of grasses becomes creatly diminished, and the gypsum possesses no furher power to restore it. The following extract from Licbig, contains a most important suggestion, and the experiment is well worthy an accurate trial. The reader will bear in mind that potash is an important constituent in most vegetables, especially grasses.

"When we increase the crop of grass in a meadow by means of gypsuin, we remove a greater quantity of potash with the hay, than can, under ordinary circumstances, he restored. Hence it happens, that after a lapse of several years, the crops of grass diminish on the meadows manured with gypsum, owing to the deficiency of potash. But if the meadow be strewed from time to time with wood ashes, even with the lixiviated ones which have been used by soap-bullers, then the grass threes as luxuriantly as before. The ashes are only the means of restoring the potash."

Log Houses.

Messrs. Editors-A log house in a newly settled country, has always struck me as exceeding good taste, and first rate domestic economy; although I have often teard sensible men and women remark that such a man would be "much better employed in hauling his logs to the saw mill with a view to a frame house, rather than ale them up into such an unsightly dwelling."

But who ever ward of a first rate frame building built in the first settement of a country? Such honees are necessarily but of green stuff, by rude workmen, with a hasty constucted crazy foundation; so that with much greater enense in the beginning, they soon come to be as worth as and more un-ightly than a simple log cabin, and equally unfit for profitable repair.

But the man who first builds a log suse has more advantages in the premises, than may near to the uninitiated. In the first place, instead of exing the jealousy or envy of his poor neighbors, they jealousy or envy of his poor neighbors, they is all fall in with hearty good will to his aid, and his his is up, like Jonan's goard, in a single day. He now saves his substance to build a barn and improve his domain. At his leisure he draws his logs to the mill, to be converted into boards and scantling for a new healtes his own soil, and enjoys the advantages that

The author has advanced some theories, which are house. He barters off his surplus products as he can spare them, for brick, lime, nails, glass, &c In the end he builds within his own means, a substantial house, which edds to the comfort of his family and the value of his farm.

> When I see a rickety frame house atanding on a farm badly fenced and worse improved, ten to one but the story is, that the proprietor scaled his rain by the building of that house, before his acres were cleared and fenced to an extent necessary to emble him to afford it; that he is now in debt, discontaged, and compelled to employ that time in providing for his debts which is so much needed by his farm. S. W.

From the Journal of the American Silk Society Varieties of Silk Worms.

GIPEON B. SMITH, Esq.

Dear Sir-Since your favorable notice of my proposition to simplify the silk business by the adoption of simple names which shall be understood by all, I am induced to follow up the subject, reminding you at the same time, that I proposed that you should make any alterations in my classifications which you thought proper, and to show my readiness to take good advice, I shall henceforth adopt your classification, as follows:

No. I. Mirabel-Jaune or Large Nankin P.a.nuts.
2. Sina Marabel or Large White Pea-nuts.
3. Common Pea-nut or Small White Pea-nuts

-Small Nankin Pea-nuts.

As the other varieties are all inferior to those, which silk growers will learn sooner or later, and then discontinue the use of, I deem it of no importance by what names they are called.

In the mean time, I recommend all who wish to ascertain the precise value of each kind for themselves, to adopt the same experiments made by James Manney of Beaufort, N. C. in June, 1840—see Journal, vol. to lesin how many worms will make I lb. recled silk of the different varieties-not how many cocoons will fill a bushel—for, of course, a bushel of the smallest cocoons (the small pca-nut) will yield more silk than the oval sulphur, and so also in drawing comparison between the large pca-nuts and small pea nuts; the expense of feeding an equal number of worms, say 100,000, being equal-the question is not how many bushels each will make, or how many pounds each kind will weigh, but how much recled silk will each 100,000 produce, after having been reared with equal care.-Mr. Manney's experiments shiw-1st, 8 oz. msmmoth cocoons, in number 141, yielding 360 grs which is 3008 cocoons, or 10 lbs. 10 oz. for 1 lb. reeled silk: 2d. 8 oz. pure white per-nut (whether large or small is not stated) in number 131, yielding 359 grs. which is 2866 cocoons, or 10 lbs. 11 oz for I lb. recled silk; 3d, 8 oz. mammoth sulphur cocoons, in number 145, yielding 327 grs. which is 3408 cocoons, or 11 lbs. 12 oz for I lo. reeled silk.

Upon this basis it is easy for every silk grower to estculate for himself which is the most profitable kind of worms to feed, and weight of cocoons, to produce 100 the, reeled silk.

No, of Worms, lbs. Cocoons.

1,067 1,669 1,175 for 100 lbs. reeled silk. Mammoth White, 300,800 White Pen-nut, 256,600 Mammoth Sulphur, 340,509

It our friends will institute comparison the coming season, by carefully reeling, say 1,000 select cocoons of each variety of worms which they ruse, and communicate the exact weight of alk produced from the same, to you for publication, the question will not then rest upon the opinion of one or two individuals, who may be interested in rearing a particular species of worms, but the facts will be ascertained from the whole silk-growing public, and again diffused through your Journal to those most interested in the subject.

I shall endeavor to experiment on your New ry the present season-I shall not be able to do it as fully as you desire, but will frankly communicate the Truly, yours, W. A. WOODWARD. result of my experience.

Rhaea, April 10, 18:1.

Eggs of the large pea nnt varieties, of Mr. Woodward's raising, can be obtained at the Rochester Seed Store, if applied for soon.

The most honorable, the most useful, the most inchendent of men, is the well informed farmer, who

To Destrey Ruts and Mice. We copy from the (London' Gardener's Chronicle:

"Monsieur Thenard in 1832, submitted to the Academy of Sciences, a plan for destroying noxicus animals in their hiding places. The instrument of destruction is sulphuretted hydrogen gas, which is pecubarly destructive to animal life. Animals when allowed to breathe the pure gas, fall down as if strick with a bullet. Even when considerably diluted with atmospheric air, its effects are deadly atmospheric air, its effects are deadly. A horse dies in less than a minute in air couraining I 250 of this A dog of moderate size is speedily killed in air containing only a thousand part of it, and a small bird expires in a few seconds in air possessing I 1500 of sulphuretted hydrogen.

" M. Thenard's first trial was in an apartment infested by rats, which showed themselves occasionally during the day, and at night were actively engaged in plundering articles kept in the room. There were 18 rat-holes; and M. Thenard adapted to each of them. in succession, retorts capable of containing half a pint by introducing the beak, and filling up the interval round the neck with plaster. [The mixture will be mentioned below.] In a few minutes not a rat remained above in the building.

" His next experiment was in an old abbey, when he was equally successful, and having opened part of the wall, he found numbers of dead rate. He recommends the application of this method to the destruction of moles, foxes, and all animals that cannot be

extirpated by the usual means.

" Mix 4 parts of iron filings, or very small naile, or scrapings of iron, with 3 parts of flower of sulphur, and moisten it with 4 parts of builing water, sir ing it with spiece of wood. Add gradually afterwards 4 parts more of water, and introduce it into the retort Pour spon the mixture, common oil of vitriol diluted with 5 times its quantity of water, and continue to add it gradually until the effervesence ceases.

These directions appear to us incomplete; and we wish to inquire of some practical chemist, how the operator is to avoid the ill effects of the gas, while he is ponring on the oil of vitriol? and while he is closing the rat-holes round the retort?

The following poem, by MARY HOWIT, we insert by the request of a fair friend, who justly observes it may be new to some of our readers, and cannot fail to excite feelings of gratitude towards that Being who provides so liberally for our pleasures as well as necessities.

The Use of Flowers.

God might have made the earth bring forth Enough for great and small-The oak tree and the codar tree, Without a flower at all.

He might have made enough, enough, For every want of ours,-For inxury, medicine, and toll, And yet have made no flowers.

The ore within the mountain mine Requireth none to grow. Nor does it nee I the Lotus-flowers To make the river flow.

The clouds might give abundant rais. The nightly dews might fall, And herb, that keepet! life in man, Might yet have dounk them all.

Then wherefore wherefore were they made All due Lin raichow light. All fashioned with supremest grace. Up springing day and Light:

Springing in valleys green and low, And in the mountains high, And in the silent wilderness, Where no man passes by 1

Our outward life requires them not, Then wherefore had they birth? To minister delight to man, To be sutify the carth:

To comfort man-to whisper hope, Whene'er his face is dim, For who so eareth for the flowers, Will much more care for him!

The first elements of wealth are obtained by labor from the outh and waters .- Franklin.

For the New Genesce Farmer. Cheese Making.

Messes. Entrops-Communications are occessionally made through your paper, giving the best method of making cheese from practical experiments .- As your journal is designed for a medium through which farmers can interchange their views upon the various subjects connected with their high calling, I submit the following, if you think it worthy of occupying a corner of your Farmer.

The plan generally proposed by your correspondents, is to strain the milk in the tub over night, and warm it in the morning, carefully stirring in the ercom. Mr. A. F. Bill, in the October number of the New Genesee Farmer, says,-" In the morning take off the cream with a skimmer and put it in a vessel by itself; then warm the milk, or a part of it, over a slow fire till about blood heat; then pour in the cream, and stir it moderately till there are no particles to be seen floating upon the surface."

It seems to me evident, that when the cream is once separated from the nulk, it can never be so thoroughly incorporated with it again, as to set the milk as soon as taken from the cow.

Our method is this: Immediately after the cows are milked at night, (and the quicker the operation is performed the better,) we strain it into the cheese tub and put in the rennet-as the milk when it first comes from the cow is in precisely the right temperature to set. If the rennet is good, and properly prepared, a l arge table spoonful is sufficient for a pailful of imilk The tub should then be covered with a cloth, and allowed to stand undisturbed-in about 40 minutes it will congulate. It is then earefully out, the tub again covered and left to stand till morning. When the tub is wanted for the morning's milk, the night's curd is dipped into the choese basket, or choese sink, to drain, and the morning's milk stroined into the same tub, The rennet is then put on, going through the same process as with the night's milk. When sufficiently drained, the two curds are ready to be put together, scalded and salted according to the discretion of the maker.

Tuose who have had the least experience in the management of milk, must know that warming it after it has once cooled, gives it a tendency to sour the quicker. Any person who will take the trouble to ry the experiment, will find that card made from milk warm from the cow, will keep sweet much longer than that which has been warmed over the fire; and, besites this, it saves the time and trouble of skimming and warming. Nothing will make a good cheese maker assume a belligerent attitude so quick, as to see the skimmer flourished over the cheese tub.

From a long experience in a modern sized dairy, 1 am persuaded that in no way can so much, or cheese of so good quality be made, as to set the milk while warm from the cow. Yours.

E. BISHOP.

Attica, Genesce co. April, 1841.

P. S .- While upon a subject connected with cows. let me suggest to your correspondents who occasional ly send you the quantity of milk given by a part cular cow, to give it in pounds, and not in quarts. It can te done much easier. and with greater accuracy; and not only so, but in the latter case it is too often guessed at, or measured, froth and all, in bruised and batered quart measures.

For the New Genesee Farmer. Cure for Murrain.

Messes. Editors-1 have seen several inquiries respecting the murrain in cattle, and being in possessind of a recipe which in nine cases out of ten, haproved successful in curing the same. I herewith send | Virgania.

to you, in hopes that if you give it publicity, it may be of some benefit to those who are yearly losing many of their cattle.

Recire. - Give 11 oz. pearlash, dissolved in 2 qts. of iron-water, (from blacksmith's trough.) If not better in 5 hours, give & en oz more in 1 qt, water. The water should be waren. Give no drink but warm water, for two days. Give werm much to eat.

The person from whom I got the recipe has cared a great many cattle in this vicinity, at one dollar perhead, and asked \$10 for the recipe. I take this mode of making it as public as possible.

Yours truly.

THOMAS FORSYTH.

Chatham, Canada, April 10, 1841.

Leached Ashes as a Manure.

Leached or drawn ashes possess a highly heneficial effect, particularly when applied to lands deficient in calcarcous metters, as lime or marl. They serve to improve the permanent texture of such soils. The ashes from the soap boders of London yield 90 parts in 100 of calcareous matter. They serve to free light lands of sorrel, and in swampy lands they effectually destroyed rushes and other aquatic weeds, extensively used on the light sands upon the Atlantic coast, and are bought up at a shilling a bushel, in the towns and cities upon our navigable waters, and trans-There are immen e quantities of these ported thither. ashes in the interior, on the sites of old asheries, which may be employed to great advantage to agriculture. whenever the agriculturists of frontier districts find time and disposition to arrest the deterioration of their The small quantity of alkaline salt and gypsum which they contain, also, renders them much superior to common calcareous matter as a top dressing for every kind of grass. Soap boilers' ashes, according to the "Complete Grazier," are also excellent on a peat moss, in strong cold soils, when applied in the quantity of two or three eart loads an aere In Lancashire, they have been found good and durable on dry pastures, and have also been successfully used in other parts, and in various proportions. They are generally considered better for pasture than arable, and crops of clover hay have been more than doubled by them. The ef fect of this manure is, that it always destroys bugs and rermin of every kind. Evidence of these latter facts may be found in communications to the British Board of Agriculture, vol. vi. part ii .- Cutticator.

Make your own Measures.

We give below a rule by which every one can easiy make his own measures.

A burrel contains 10,752 cubic inches. A hox 21 inches long, by 15 inches wide, and 28 inches deep, will hold just a barrel.

A half barrel. Make a box for this 24 inches by 16. and 11 mches deep. This will contain 5,376 cubic inches, or just half a barrel.

This has 2,150 4-10 cubic inches. A A bushel. bushel box will be 16 inches by 16 8 10 inches square,

18 inches deep.

1alf bushel A box 12 inches long by 112-10 inch-Half bushel wide, and 8 deep, will hold just half a bushel,

Peck. A box 8 inches by 8 4-10 inches square, and S inches deep, is a peck.

Half a peck is 8 inches square and 4 2-10 inches deep, or 268 8 10 cubic inches

A half gallon. This contains 134 4-10 cubic inch-

s. A box 7 mehes by 48-10 mehes deep, has just that quantity.

Quart. 4 inches by 4 inches 42-10 deep .- Balt.

Agricultural Ranks of the several States.

It seems from a recent statistical statement, that the rank of the several States in agricultural productions, is as follows:

In Wheat-1st, Ohio; 2d, Virginia; 3d, New York. In Indian Corn-1st, Tennessee; 2d, Virginia; 3d,

The results in Kentucky are not given. It is possible she might be second or third. In Potatoes-1st, New York; 2d, Maine; 3d, Pen-

In Cotton-1st, Mississippi; 2d, Alabamr 3d,

Grorgin. In Tobacco-let, Tennessee; 2d, Mar. ad, 3d,

In Wool-1st, New York; 2d, Ohio; 3d, Vermont. In Swine-Ist, Tennessec; 2d, Ohio; 3d, Kentucky, probably.

In Lumber-1st, New York; 2d, Maine.

Louisiana, of course, raises the most Sugar. But there are immense quantities of maple or country sugar, made in New York, Ohio, and other Sistes.

Looking at the above rank of the leading States, in eight of the principal articles of agricultural production, some curious facts may be inforred. First: Of all the States in the Union, that which probably has, and admits of in future, the most various production. (not the greatest aggregate,) is Tennessee. The reason of this will be obvious from an inspection of the productions, the most fertile land, and the most abun dant mineral resources.

Secondly: The State capable of sustaining the lar gest productions, is OHIO. This is obvious from he position in reference to Wheat, Corn. Hogs, Wool This is obvious from he and many other productions which are essential to th sustenance of human tite.

Thirdly: The State which at this time produces the next in agoregate value, is New York. This is on most in aggregate value, is NEW YORK. ing to the combination of capital, experience, and po;

Looking to the means of sustaining a very gre population, Ohio stands ahead of every other State and it is this great fact, united with powerful mor causes, which has given it such an extraordinal growth. Fertile, alluvial lands have, over the who carth, been the seat of the densest populations, at the most flourishing empires. - Cincinnati Chronica

An Act to Promote Agriculture.

[Passed May 5, 1841.]

The People of the State of New York, represent in Senute and Assembly, do enact as follows:

61. The sum of eight thousand dollars per annu shall be snd hereby is appropriated for the term five years, for the promotion of agriculture and hou hold manufactures in this State, in the manner follo ing, to wit:

To the county of Albany, the sum of two hunds and live dollars. Allegany, one hundred and twenty-three dollars.

Broome, sixty-seven dollars. Cattaraugus, eighty six dollars.

Cayuga, one hundred and fifty-one dollars. Chantauque, one hundred and forty-three dollar

Chemung, sixty two dollars. Chennugo, one hundred and twenty-two dollars

Cirnton, eighty-four dollars. Columbis, one hundred and thirty-three dollars

Cortland, seventy-five dollars. Delaware, one hundred and six dollars.

Dutchess, one hundred and fifty-seven dollare. Erie, one hundred and eighty-six dollars.

Essex, seventy-one dollars. Franklin, fifty dollars.

Fulton and Hamilton, sixty dollars. Genesce, one hundred and seventy-nine dollars Greene, ninety-one dollars.

Herkimer, one hundred and twelve dollars.

Jefferson, one hundred and eighty-three dollar-Kings, one hundred and forty-three dollars. Lewis, fifty-three dollars. Livingston, one hundred and seventeen dellars.

Madison, one hundred and twenty dollars. Monroe, one hundred and ninety-four dollars. Montgomery, one hundred and sey a dollars. New York, nine hundred and sty dollars, to a

merican Institute. Nagara, ninety-three dollars

anagara, mnety-three dollars.
Oneids, two hundred and sty-five dollars.
Onondaga, two hundred and four dollars.
Ontario, one hundred and fifty dollars.
Orange, one hundre and fifty-two dollars.
Orleans, seventy, 2, 2, 2, 3 Orleans, seventy Ae donors.

Oswego, one hadred and thirty-one conaise.
Oswego, one hadred and forty-eight dollars.
Putnam, they-eight dollars.
Oneons.

Intervented and eighty dollars.

un a

line

Queens, er, one hundred and eighty dollars. Renss and, thirty four collars. Rickland, thirty-six dollars.

R kinne, turry-siz donars. aratoga, one hundred and twenty-one dollars. Schenectady, fifty-one dollars.

Schoharie, nincty-seven dollars. Seneca, seventy four dollars.

Steuben, one hundred and thirty-eight dollars. St. Lawrence, one hundred and seventy dollars Suffolk, ninety-seven dollars.

Sullivan, forty seven dellars.

Tioga, sixty-one dollars.

Tompkins, one hundred and fourteen dollars. Ulster, one hundred and thirty-seven dollars. Warren, forty dollars.

Washington, one hundred and twenty-three dollars. Wayne, one hundred and twenty six dollars Westchester, one hundred and forty-six dollars. Yates, sixty-one dollars.

And to the New York State Agricultural Society,

ven hundred dollars.
62. When the New York State Agricultural Socie

and any county agricultural society now formed, which may hereafter be formed in this State, or the merican Institute in the city of New York, shall nise by voluntary subscription any sum of money, be president and treasurer shall make an affidavit of ne facts of the formation of such society, and of their aving raised a certain sum, specifying the amount nereof, which affidavit shall be filed with the compoller of this State, who shall draw his warrant on the ensurer for a sum equal to the amount of such volunry subscription, not however exceeding the amount which such county or state society would be entied, according to the appointment aforesaid.

6. The New York State Agricultural Society and ne several county agricultural societies now formed or thich shall be formed in this State, during the contin-ance of this act, shall annually elect such and so may officers as they shall deem proper; and it shall be e duty of such officers annually, to regulate and ward premiums on such articles, productions and imrovements, as they may deem best calculated to pro-note the agricultural and household manufacturing inerests of this State, having especial reference to the sett profits which accrue, or are likely to accrue, from he mode of rusing the crop or stock, or the fabrica-ion of the article thus offcred, with the intention that he reward shall be given for the most economical or profitable mode of competition; provided always that before any premium shall be delivered, the person laiming the same, or to whom the same may be awarded, shall deliver in writing to the president of the cosiety, as accurate a description of the process of prenaring the sorl, including the quantity and quality of manure applied, and in raising the crop, or feeding the mimel, es may be; and also of the expense and product of the crop, or of increase in value of the animal. with the view of showing securately the profit of cultirating the crop, or feeding or fettening the animal.

The president of the State Agricultural Society, and the several presidents of the said county societies, who shall receive or expend any of the monics hereby appropriated, shall annually, in the month of December, transmit to the comptroller, a detailed account of the expenditure of all the moneys which shall come into their hands under this act, and stating to whom and for what purpose paid, with the vouchers thereof; and the said presidents of the several county agricultural societies shall, annually transmit in the month of December, to the Executive Committee of the New York Agricultural Society, all such reports or returns as they are required to demand and receive from applicants for premiums, together with an abstract of their proceeding through the year.

55. The Executive committee of the New York State Agricultural Society shall examine all reports and returns made by the presidents of the county agricultural societies, and condense, arrange, and report the same, together with a statement of their own proceedings, to the Sceretary of State, in the month of Jenuary ineach year.

\$6. The Pesidents of the several county societies, or delegates to be chosen annually by them for the purpose, shall beex officio membera of the New York

purpose, shall bee, rofficio membera of the New York State Agricultural Society.

§7 It shall be the-juty of the county clerks in the several counties of the State, to cause notice to be given in one or more hyspapers in each county, of time and place of a meetily to be held in such county for the prip see of organizing-such county agricultural accitety; and notice thereof sail be given at least four weeks previous to such meeting.

§ This graph with the effect imfer.

onr weeks previous to such meeng.

6. This act shall take effect immaliately.

State of New York, This act bay been appro-Secretary's Office. Yed and signed by the Governor on the 5th of May, 1811, I do hereby cerey that the same became a law on that day.

JOHN C. SPENCL.

Secretary of Stu

Flowers and their Odours.

It has occurred to me, that the lovers of sweet flowers, who live on enleareous or limestone lands, may be benefitted by a knowledge of the fact, that disintegrat ed silex or sand, if not essential to the formation of

the aroma of flowers, certainly promotes it, and renders it more abundant and delicate. Flowers of the richest perfume are the natives of sandy lands—Persia, Arabia, and the southern shores of the Mediterranean. Roses, Violets, Loniceras or Honeysuckles, &c., in pots, should be supplied with a considerable portion of sand; and those growing in gardens and pleasure grounds also. In many indigenous plants which are destitute of bark, the stem or culm is strengthened by silex, taken up by the spongeoles or elaborated by the organs of the plant from its elements. Analysis detects it in considerable quantities even in the stalks of wheat and Indian corn; and I believe in all the grasses, the flowers of which are aromatic. I incline to think, too, that in the rich calcareous lands of the west, away from the sandy alluvial soils of the rivers, grepes will be rendered of better body and will give wine of a superior quality, if sand, (instead of manure, when the land is rich,) be mingled with the soil; and I should for these prefer even gravel to fine sand. I am not aware that the experiment has been made in regard to the grape, but it is worth a trial, if analogies are good Very truly sir,

your ob't. eerv Wes. Far. & Gar.] JOHN LEWIS.

To the Ladies.

In our last, we promised to give some hints respecting the laying out and arranging ornamental grounds. for those in moderate circumstances. If persons cannot afford to keep a gardener, and have not much leisure to give it themselves, they had better not undertake with the more delicate species of shrubbery or flowers, however tempted by their beauty; but select such kinds as will thrive and make the most show. with the least earc and attention. The whole tribe of roses, with some few exceptions, are of this description. They are easy to be obtained, increase rapidly, and though well repsying a careful cultivation, will still flourish and bloom under almost entire neglectamong these we will mention the Obio Multiflora, a flower indigenous with us; and though a rustic bele, scarce exceeded in besuty by her more cultivated sisters of the name. It will grow either from cuttings or seeds, and so rapidly as in a short time to overpay the trouble of setting it. The same is true of the fragrant sweet brier-a delightful ornament, and yet so hardy as to be almost regardless of soil or of cultivation. The scarlet trumpet creeper (we wont trouble you with the long names of flowers) is a plant that abounds along our high-ways and hedges; very showy, and so rapid of increase as to be a terror to farmers. It answers a fine purpose for overgrowing and concealing unsightly spots about your premises, and for planting on the north side of houses, where more delicate shrubbery often languishes. The various species of honeysuckle are also very easy to be obtained, as they will all grow from cuttings and take care of themselves with very little attention of yours.

It is well for you, if you intend to keep shrubbery, to have a little nursery of your slips and cuttings in some shady nook; where you can weed, water, and tend them all together. Do not crowd them so close that they will not have room to grow, for sometime before you remove them. Very young slips, or strub-bery, planted here and there along borders, requiring twice the time and care, besides being liable to many accidents. Choose, if possible, a spot where your young proteges may have the morning sun, but le sheltered from the heat of the atter part of the day. Cut your slips just below a bud,—for every bud contains the rudiments of a root. In this way you may raise all kinds of roses, althons, honeysuckles, all the varieties of lilae, seringa, and flowering almonds, with very little time, trouble, or expense. The best time for setting out such a nursery, is n the early part of the spring, when showers are frequent. Slips set after this time require far more care and trouble.

But the department of the garden on which you may rely most for elegance, variety, and constant succession, is undoubtedly the ennuals.

In regard to the raising of these, it is best to plant them together in a sort of nursery—designating the kind by labels. This bed you can protect with brushwood from the ravages of domestic fowls, and other invaders of flower borders. This bed should be in a dry and warm situation; for the long rains which occur in the spring of the year often seriously damage and retard the growth of early planted seeds. If the senson be dry, you can water the seeds occasionally at

yening, for moisture, as well as heat, is indispensable Mernination. When the seeds are up, and before the Bots have time to strike deep, remove them in litif possible, when the skies give promise of a shower but if your plants come to a proper state for removal, and the skies do not seem disposed to accommodate you, transplant in the evening; water and proteet them for a day or two from the heat, by reversing a tlower pot over them, leaving it off at night for the benefit of the dew.

In planting annuals it is a common mietake to set too many in a bunch. Perhaps four or five plants are set together, and the consequence is that all are small After your plants begin to deve op themand puny. selves, weed out the more slender ones, and leave only one or two in a banch. Plant your different bunches at a very good distance from each other, with reference to the space which they will ccupy, Thus wo have seen a thrifty double balsam, in good ground, spread over the face of more than two feet all around. In many borders the flowers are crowded, and the gencral effect of them much injured, by not calculating beforehand the growth of each species. Plowers should be set, too, with regard to the effect of their colors in a border, with as much care as you would arrange them in a bouquet. Pale and deheate flowers should be enlivened by brighter ones; and gay flaring co'ors relieved by rich bues. Thus the dark marcon tints of the scabious, or the deep blue of the larkspur, contrast finely with the golden tints of the corcopsis or marigold.

In the department of ercepers there are many annuals capable of producing sudden and beautiful effects. While your honeysuckles and roses, &c. are in training, you can produce an immediate and very beautiful substitute in the scarlet beans, purple pea, and the varieties of convulvus, and many other annuals of the kind. In the garden of Mr. Jackson, near the Cheviot, may be seen seven or eight varieties of ercepere, extremely beautiful and rare, and some of them possessing a freedom and rapidity of growth, that renders them worthy the attention of those who wish to witness some immediate results from their borticultural efforts. Some of these grow from seeds, and others from roots, which increase very rapidly. We recommend all our fair friends who wish to procure something rare and beautiful in this department, to examine his collection.

If, after reading these few lines, any of your readers say, "after all, this raising of flowers is going to be too much nouble!" We say to them-enly try it -get your husband or brother, or hire some one to lay you out a border and begin; and if you do not find after a time, that nothing scems to be trouble that is done with a willing mind, we are much misteken .-Wes. Far. & Gardener. H. E. B. S.

Modesty.

Who shall win the prize? There was a meeting of the flowers, and the judge was appointed to award that prize of beauty. "Who shall win the prize?" sake the rose, proudly stepping forward in blashing beanty, with full assurance of its winning worth. "Who shall win the prize?" asks the rest of the flowers as they come forward, each conscious of its attractions, ard each equally sure of receiving the award. "I will take a neep at the assemblege," thought the violet, not intending to make one of the company, "and see the beauties as they pass." Just as it was raising its modest bend from its bumble and retiring corner. and was looking in upon the meeting, the judge arese to render his decree. To the violet. says be, I award the prize of beauty, for there is no trait more rare, none more enchantingly beautiful, than-Modesty.

Time.

It is a truism that time passes rapidly away. The wheel is constantly revolving, and carries with it our gricfs and our joys-and finally life itself. The ancients represented Time with a forelock, to show that it should be seized without delay, and that if once lost, it cannot be secured. The duration of a man's life should not be estimated by his years, but by what he has accomplished—by the uses which he has made of time and opportunity. I he industrious man lives longer than the drone-snd by inuring our body to ex exercise and activity-we shall more than double the years of our existence.

"The hundreds of idle young men scattered throughout the country, and lounging about in our large towns, furnish indisputable evidence that many of the rising generation are contracting babits which, in after life, must cause a large amount of sorrow and wretchedness. Labor is not respected as it should be, and the consequence is, that idleness takes the place to have so with a transplanting trowel—taking care of industry, and poverty, glastly and wretched, that count well around the roots. Transplant, of chertfulness and content."

Letter from Annette. (AN EXTRACT.)

MESSES. EDITORS- * * * I am pleased to observe that you do not forget your female reader, although they seem greatly to neelect you. It is a pity that my friend FANNY, and others of the sisterhood, who have the ability, should be so unwilling to 'lea their lights slane.' Such talents should not lie hid to a napkin, when their profer exercise would be productive of so much good.

I have read the articles of "D. C." on the Education of Farmers' Children, with great satisfaction; and I sincerely wish they could be read by every parent in the land. The subject is one of great magm tude, and the writer treats it with a masterly hand. I hope he will not leave it till he has exhibited all its be trings, expose I the numerous evils which exist, an I pointed out the remedy.

I heartily congratulate you, Messrs. Editors, on the success of your noble enterprise. I am fully convin ced that the New Genesce Farmer is destined to exert a most powerful influence on the arming community, the good effect of which will be manifested throughout succeeding ages. The arrival of your monthly messenger is always looked for with anxiety, and greeted with a hearty welcome by the inhabitants of maple grove; and should its editors chance to roam as far as our shady retreat, they may rely upon a most cordial reception. I am sorry to hear of Mr. Batcham's ill health-hope it is nothing serious. Why does be not relax himself awhile, and take a ramble among his numerous friends in the country, at this delightful season? He could thus better sequant himself with the wants and feelings of his patrons, and observe whether they profit by the instructions they receive. . . ANNETTE.

Very respectfully, Maple Grove, May, 1841.

Remarks -Now, Amette, just "cease your fun-ing:" the last paragraph of the above is too provoning: kingly untalizing to be patiently endured, although clothed in so much kindless. "Roam as far as your shady retreat," torsooth, when you know full well we have been puzzled in vain these twelvemonths to find out its location !

Mr. B. intends to spend some time in the country, as soon as circumstances will permit; and if Annetie will make known her true locus habitationis, he will not fail to visit the shady grove. (It his surmises are correct however, the journey will not be a very lengthy one!)-Ens.

An Inquiry from Michigan.

Messas. Editors-Can you send me the first volnme of the New Genesce Farmer? I find that bad I commenced taking your paper a year ago, 1 . hould have saved by the means more than a hundred times its cost. I am convinced that however small a farm a man may cultivate, even if not more than half an acre, an agricultural paper may be of immense advantage to him-each number worth the cost of the volume.

A. C. 11. Respectfully yours,

We can still furnish vol. I .- E-s.

Eastern Ploughs .- One of Howard's celebrated enby draught ploughs, and one of Prouty & Mears' (smail sized) do. for sale at the Seed Store.

> Ro Bester, Monday,) MONEY MARKET.

| Aneria, | Darkis, 1 | Prir. | N. England Bank Notes, | Eastern Drafts, 1 | Prir. | N. England Bank Notes, | Constant | Prir. | Eastern Drafts, 1 | Prir. | N. England Bank Notes, | Constant, | Cons dis, do. do.

The Money Market is rather easier now than it has been for some time past. This is owing partly to the passage of the Appropriation Bill, which will give reher to the Banks which were largely in advance to contractors on the public works.

NEW YORK MARKET-May 27.

FLOW YORK JAKET-MAY 77.

FLOWAND MEAL—THE arrivals of Western continue to be comparatively light, and the market is very firm. Someon is also some on its flowning. We give General 4.73 + 343. Group away and thowards: 4.874 a 5 00. Ohio and Michigan 4 152. Richards Core Month 4.824. Robust Core Month is advanting. hhile 14 59. bbls 3.99.

Grain—The supplies of all descriptions are light, and the prices are considerably cubianced. Northern Corn has sold at \$3 a, \$6 weight; Senteren do \$9. Revery scarce; \$5 a of dem. ode1. Southern 0.35 \$7; Northern do \$1 a, \$14. Sanas—Sone descind for Clover for export at \$1 a, \$7; Tamouby \$16 a, \$19 per tierce.

At Philadelphia Pleur has advanced to \$5. Penn white Wheat \$100; \$1, \$10 a, \$10 a

Dats 2: 4.49.
At Ballomore Flour has advanced 25. Howard-st. 5 75;
couply light City Mills 5 99; small stock. Singuehanna
talk anck. Penn iet Wheat 1 s. 109; Mr. Mills 13; Mill winter Cun Sia 57, ye low do 53; Penn Rye 62;
Jud do 7; Mil O.1.8 2; 10;
At Cincinnati Flour has unproved to 3 cf.

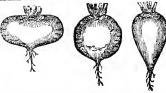
At Cincinnai Floor has improved to 2 §1.

ENGLAND,
Lospow Conn Excussor, May 3.—At our market this morning we had moderate fresh supplies of Eog ish wheat. The amounteement made by Lord John Russed in the House of Commons on Friday last regarding the con laws, elibough it is allowed that the present government is too weak to correspond to the form of the form of the present government is too weak to correspond to the form of the form change occurred.

Errata.

First A.

Page 66, col. 3, line 9 from bottom, for "plant" read plan.
Page 67, col. 1, line 11 from bottom, for "so 7 read as. Page
17, col. 1, line 10 from 'ottom, for "plant" read plling,
Page 15, col. 2, line 4, from bottom, after the word "year"
expunse the semicolon — Page 75, col. 2, line 4, from bottom, for "Cayusa," read Cayaga a wary — Page 15, col. 2, line 16
from bottom, for "lightning" "read logharings.



RUTA BAGA AND TURNIP SEEDS.

A Full and choice assertment of Ruta Baga and other Turnip Seeds, are now on their way from England, and will in a few days be received at the Rochester Seed Store.

BATEHAM & CROSMAN.

June 1, 1841

THE THOROUGH BRED HORSE YOUNG HENRY.

THE PUBLIC are informed that the above thorough hred Horse, raised by H. Woolsey, Long Island, and now moved by the subscript, will stand at O Culter's, Brighton, Mour cee, and will be let to mare at fifteen dollars the reason. Endowelin I good pasture will be provided, and all possible care and attention will be paid to mares brought from a datume and left with the horse; but no responsibilities. ty for accidents or escapes, should any occur.

Pedigree.

Young Henry was got by Henry, the competitor of Edipse, out or Sandnofe, by Edipse. Young Henry is now? Years mounts finely developed, he is a dark sorrel, and somewhat over 16 hands high. For further particulars, apply to Market Mar

brighton, Monroe Co., N. Y., May 20, 1841. THE THOROUGH BRED HORSE,

FLORIZEL.

OR the information of those who may wish the stock of this echerated horse, notice is hereby given, that he will stand for marcs the ensuing season, at the stable of H. V. Weed, Geneseo; and also at the stable of the subscriber, in Goveland, where pasturage will be provided, and attention paid to mares from a distance.

C. H. CARROLL. May 15, 1811.

SILK WORM EGGS.

L ARGE White Peanut, and large Norkin Peanut eggs (he Sina Merabet, and Mirabet jaune, of the French,) and the common Sulphur varieties, are for sale at the Section 18, CRESTAN 8, CRESTAN Store, by Rochester, April 1, 1841. BATEHAM & CROSMAN.

A FARM & COUNTRY SEAT FOR SALE.

A FIRST RATE Farm, with new Buildings and Fences, situated only one and three-fourths of a onle from Ro-chester Post Office, on the Stage Road leading from Montoc-

chester Post Office, on the Stage Road tearing from common-treet, cast.

The Farm contains F.f.y Acres of Excellent Land, most of which is in a high state of cultivation, a Two Story, House, with a Wing and Columns in front, good Barn, Carriage House, &c., about 300 Bearing Fruit Trees of various kinds, good Water and Wood. More or less Land can be had with the Buildings, if deared. A fine Horicaultural Garden is now in progress adjoining and institution of a purchase cities for farming purposes, or a pleasant place of reside technique and a surface of the progress of the control of the con-cilled for farming purposes, or a pleasant place of reside technique and the control of the control of the con-tain, or a kiress, part paid.

C. INGERSOLL, affice, N. Y.

Breakton, May 1, 1344.

Brighton, May 1, 1941.

THE IMPORTED HORSE "ALFRED," THE IMPORTED HORSE "ADPREDA,"
Y LL, stand this sesson, commencing on the 12th of Mar,
Y at the stable of Mr. Rodney, Russell, adjoining the old
Northn Funn, fasts Bloomfield, Ontain co., as follows, viz:
From Wednesday, May 12th, to Tresday, May 12th; for
Wednesday, May 20th, to Presday, June 18th; from Wednesday, June 18th, to Tuesday, June 18th; from Wednesday, June 18th, to Tuesday, June 18th; from Wednesday, June 18th;

The Imported English Riorse, "Emigrant,"

The Introduced England Motions, "Emilgiantly," XTILL stand for Marca becausing season, at the latter of Y. Mr. C. Ashton, in Shelby, one mile west and half mile conth from Medina, Orleans Co., where he has stee the two last seasons.

R is but just to say that he is not probably surpressed by any horse in Western New York. Good judges who we at the F. if in Bouchester, last fell, think that if he had bee there he would have taken the premium without any doublist stock is right—just the thing for farmers and the market. Gentlemen who wish to raise good horses will do we well and see—He is extensively known in Livingsia. His stock for the Mile with the raise good norse with the cell and see.—He is extensively known in Livingsto cell and see.—He is extensively known in Livingsto to cell and see.—He is extensively known in Livingston to cell and see.—If it is extensively the cell and see.—If it is extensively the cell and the cell and

Medina, Orleans Co., March 9, 1841

ROCHESTER SEED STORE -- 1841.

ROCHESTER SEED STORE—1841.

DATHAM & CROS-MAN, the proprietors of this w
Disnown estallishment, respectfully inform the public if
they have now on hand a general assortment of superEnglish and American SEEDS of the growth of 1840, a
other articles in their line of business.
For the FARM—choice virreties of Corn, Grain, Gre
Clover, &c., and seeds for Root Crops, such as Mangel Wu
zel. Sugar Reet, Carrot, Ruta Bapa, English Turnip, &c.
For the GARDEN—all the most Vince which grow
venter recreases the control of flower, Broccoli, Radish, Turnip &c. ed from Wethersfield, and other

hower, Broccolt, Radish, Purnip &c. Onlon seed is obta-al from Wethersfield, and other articles are raised fur-ceptual of the property of the property of the most be-tiful and interesting kinds.—(Price 30 cents per doz. pape ROOTS AND PLANTS —Choice kinds of Putatoes, parseus and Pic-plant roots, Cabbage, Cauliflower and ob-tants in their senson. plants in their season.
TOOLS AND IMPLEMENTS, of various kinds, for

Farm and Garden And a large collection of valu-BOOKS on subjects connected with farming and garder

ik culture, &c. SILK WORM EGGS-of different kinds, on hand in season. CATALOGUES gratis on application.

process of application. Of the supplied with Seeds at wholesale, on liberal terms. Of from a distance containing a remittance, or good city rence, will receive attention.

BATEHAM & CROSMA

Arcade Hall, Rochester, April 1, 1841.

ROCHESTER PRICES CURRENT. CORRECTED FOR

THE NEW GENESEE FARMER, JUNE 1, 18 WHEAT,....per bushel,....\$ 88 a \$ CORN, "OATS. "BARLEY, " 44.... 31 374 RYE. "BEANS, White, "POTATOES, " 50..... 621 22..... APPLES, Desert, " 38..... 75..... 100..... CIDER,.... barrel,.... 4.25..... 4 1.50..... PORK, Mess, " 11,00.... " Prime, " 9,00.... 9,00.....11 Hog, 100 lbs.... 3,75.. ... 4 .. BEEF. TALLOW, Clear, " 8 ...

HIDES, Green. " 5 ...

SHIFEP SKINS ench. 874 ...

PEARL ASP-S, 100 lbs .5,00 ...

OUT " 4,50 ... 30.....ton,..7,00..... I(10 HAY, SEED, ... bushel, ...1,50...... 10 GR. VS SEED, bushel, 1,40.

GR. VER, ". "6,600.

AX. "75.

PLASTER, (in bbls) per ton,6,00. 171

We have made several alterations in our table of I do

bulk(at Wheatland)3,50....

We have unnessected distributions in our table of sphero our last, wheat is now un to seven shillings and seven and from and the supply is very small.

Outs are also in good demand at thirty-one cents.

Butter and Eggs are eagerly sought after at quoted lice.
The Produce Market is not very brisk of present.

4. B. BATEHAM. . F. CROSMAN,

Proprietors.

VOL. 2.

ROTHESTER, JULY, 1811.

JOHN J. THOMAS, M. B. BATEHAM, Editors.

PRIESE, ESSESSED PECONTERS, V. TERMS.

FIFTY CENTS, per year, payable always in advance. Post Masters, Agents, and others, sending money free of ostage, will receive sceen copies for \$3,-Tuchec copies for Twenty-five comes for \$10. is only one cent to any place

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The posting of this paper is only one cent to any place within this state, and one and a half cents to any part of the United States.
Address BATEILAM & CROSMAN, Rechester, N. Y.

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An Apology for Correspondents.

It is well known that most of our correspondents are practical farmers, and with most of our readers we are sure this is sufficient excuse for their not writing more at this season of the year. In the mean time, it gives us an opportunity to select some choice treasures from the columns of our entemporaries. We trust, however, that our old friends will improve the time afforded by a rainy day, occasionally, sons not to allow our readers to forget them; and as seen as the hurrying season is over we shall again exhibit a goodly number of honorable names.

One More Call.

Some post masters and agents deserve our thanks for the bonorable manner in which they have responded to the cull in our last; but there are many others still behind hand, and as we dislike to be personal, we hope they will remit the amounts due without delay, and save us further trouble.

"Thou shall not steal."

It does but little good to scold, but really the way our pockets are picked by some persons in the matter of postage, is hardly endurable. One writes from Ohio that his paper has misearried or lost, another in Michigan asks some unimpartant question for his own benefit, and each robs us ni two shillings! A geutleman (!) in Canada writes a letter entirely for his own benefit, and encloses a husiness card, making double postage and cheating us out of three shillings. Another orders two copies of the Farmer and encluses a dollar bill, which is at a discount of from 7 to 10 cents, and then sul joins us to double posinge in the hargain.

Some of our Canadian neighbors seem to forget that there is any postage on letters in this State; and others remember d to but little purpose. We have on several occasions received letters containing one or more small bills, and then a ten cent piece enclosed "to pay the American postage!" Whereas the postage is charged on each merc, who her large or small, and the ten cent pie w just paid its own postage and no more! The people of Canada generally, and even many of the post masters, do dot seem to be aware that the law allows American postage to be paid together with the Canadian, at the office where the letter is deposited. All that is necessary is, for the post moster to mark on the outside the amount so paid. We hope we shall not soon have to write another hamily on this text

Harvesting and Throshing Machines.

"Put's Grain Thrasher and Separator" is now in operation near this city; and, as in other places, is gaining the approbation of the farmers who witness it. We are bappy to announce that Mr. Pitts is making strangements to manufacture the machines in this

One of Hussey's Harvesting Machines has just arrived in town, and measures will be token to afford the farmers of this vicinity an opportunity for seeing it in operation. Mr. Hussey is now manufacturing his machines at Auburn, and will soon be ready to supply orders. More about these machines next month.

A New Oil Plant-The Madia sativa.

The superintendant of the Belfast (Ireland) Botanic Garden, presented Mr. Batcham a package of the Madin sativa seed. Part of this was sent to the Hon. 11. L. Ellsworth of the Potent Office, who requests us to publish some information concerning it. The best account of this plant we have seen, is in Loudon's Magazine of Gardening for March, 1839, from which we gather the following :-

"M. Bosch, superintendent of the gardens of the king of Wirtenburg, has made numerous experiments for many years on acclamatising exetic plants, during the course of which one plant, Madra sativa, attracted peculiar attention, as he found from the reports of travellers in Chili, that it is culti vated in that country as an oleiferous plant, and an excellent oil is extracted from it. During the last few years, M. Bosch has given this plant a fair trial on a large scale, at considerable expense; and the resalts of this trial have surpassed his most songuine

It is an annual plant of the natural order Compositæ, growing to the height of one and a half to two feet. The seed should be sown in the spring, on rich soil, at the rate of about 7 lbs. to the acre. The produce is about 1,500 lbs. per (English) acre; and 100 lbs. of seed yield about 23 lbs. of oil.

"According to a chemical analysis, 100 parts of the Madia oil consists of 45 parts of oleine (or fluid part of the oil), 40 of stearine (the mucilage, or fatty part), and 15 of glycerine (or sweet solid part, a boney like This oil does not congeal and glutinous substance) at 192 below Reaumur, but only becomes a little less fluid, which makes it an incomparable substance for keeping all sorts of machines in order; and there can likewise be a solid and well lathering soap made of it. That it may be advantageously used in cloth manufactories has been proved by experiments stready the results.

made, by which it was found preferable to the olive oil, which had been previously used.

"For all these reasons, it is to be hoped that the Mador sativa will soon take that place in agriculture, to which, by its usefulness, it is justly entitled; and which, also, the king of Wirtemburg has elready acknowledged, by rewarding with a gold medul the mer it of M. Bosch, in introducing a plant into field culture which promises to become uncommonly useful. not only to our agriculture, but to our manufactures and trades."

We should be pleased to hear whether any experiments have been tried with this plant in the United States.

The Striped Bug.

Several correspondents have invored us with answers to the inquiry in our last, for an effectual mode of protecting vines from the striped bug. We give the substance of these methods, although they are not new, and we know from experience that most of them are not fully effectual. In a season like the present, however, when the bugs are not very numerous, these preventives may answer the purpose.

- 1. Water the plants with a decoction of tobacco.
- 2. Spread tobacco stems, or refuse tobacco, around
- 3. Sprinkle the plants frequently with water in which burdock leaves have been soaked a few days. 4. Spread soot upon and around the plants.
- 5. Apply ashes, plaster, or sulpher, in the same manner as the last.
- 6. The last and most effectual, if not the most casy: get up-we mean go out-early in the morning while the dew is on their wings, cotch them, and with the thumb and finger, pinch off their mandibils. Or administer a dose of the Frenchman's flea powder, thus : _

"First den, you catch de flea; You pour some little powder down he troat; Begar he choke!"

Farmers, don't Sell your Ashes.

Messas, Epitens-According to late discoveries in Agricultural Chemistry, Professor Liebig says, that in taking the hay from meadows, the principal cause of exhaustion to the soil, is the loss of the potash contained in the bay; and that this may be readily restored by sowing the meadow with a thin covering of wood ashes.

I once heard a very successful farmer say, that he never suffered a bushel of ashes to be sold from his farm-that it was worth 50 cents a bushel to sow on grass and corn. SENECA.

Clarifying Maple Sugar with Indian Meal.

W. S. Tupper, of South Venice, informs us that he tried an experiment according to the directions in our April paper, for clarifying Maple Sugar by the use of Indian meal. Owing to the advanced state of the season, the trial was not very complete; still, the result satisfied him that a quality of sugar can be produced in this way, for superior to that clarified in the old way by the use of milk and eggs. He advises sugar makers to give it a fair trial next year, and publish

The Curculie.

We are but partially acquainted with the Curculia, Its manner of providing for its young by depositing the nit in our stone fruit, may be familiar to most of our readers,-together with several other particulars; but its food after it has passed into the perfect state, its place of abode during the autumn and winter, and 11. age it may attain, are things which appear to be very imperfectly known.

If the life of this insect extends to several years, the chief advantage to be derived from having hogs and gees- under the trees, must be to prevent its increase, A new of the old ones indeed, to y be trampled to death; but in a large fruit garden, it is likely that most of the young ones will escape; and if to these we add such as immigrate from other places, there will be an increasing array of them in the trees, beyoud the reach of the hogs, goese, and poultry.

That such has been the as e in our fruit garden, we are much inclined to believe. S.x years ago, the hogs were not permitted to run there; and without doubt many hundreds of young coreul as were added to those already in possession. We have lately undertaken to lessen their number by catching them on sheets; and we now have shout 1700 on the list.

From their difference in size, we infer a difference in age. Further proof indeed, is wanted; but some of them are not less than four or five times as large as others. If they live through a neried of years, they must continue to provide fir their onspring in some kind of sione fruit. If we exclude them from the plum tree, the apricot, and nectarine, they will attack the peach and the cherry. The latter indeed suffers annually to some extent; and a few years ego, owing to a scarcity of other fruit, our peaches were almost entirely destroyed by them.

These considerations have in 'uced us this season to pay more attention to them than in years past; and we have been surprised to find them so numer, us. In a late article on this subject, we proposed to jar the trees before the tin troughs were put up; but one, or even a dozen jarrings are not sufficient to get them all down. The troughs therefore, should be fixed and filled, very early in the season, before the insects ascend the trees, or the labor may be vain. We offer some proof of this remark: For nine mainings in succession, some of our trees had been repented; ... ruck with an axe, so as to produce violent concursions. each time obtaining a goodly number of our adies; and yet on the tenth morning, from the same trees, we caught more than double the number that we had at any other time, owing to the old which benumbed them, and rendered them less able to hold on. From the same trees we have since obtained many more.

Some persons have doubted the efficiency of water troughs; but from what we have seen of them, our confidence has not been diminished in the least. We have frequently caught curculies on the rim, as it waiting for a passage; and have sometimes found them in the water perfectly helplass. Now to prevent them from climbing up, is all that we can reasonably expect from a water trough. It cannot bring them down.

For large trees, the expense of these fixtures will be greater than on small trees, the amount of materials to make them being greater. If a sufficient space be left between the trough and the tree however, it may remain several years without being taken down-a hole being made in the bottom as soon as the curculio season is over, to let off the water which might collect there, from rain or from melting snow. A small chisel, cutting through the tin into a block or wood held firmly under, would make a sufficient aperture, which might be closed the next spring, and secured by a drop of soder. Three or more wedges secured by a drop of soder. Three or more wedges and down and used for rail timber, or three wood, and between the trough and the tree fastened being dry, can be burned out of the faimer's way at July.—Frs. N. G.Farmer.

by small nails, support the trough; and rags or tow stop up the remaining vacancy. We cap the whole with a coat of mortar to prevent the insects from working their wey through the creviers.

Hogs sometimes neglect to eat the fallen fruit when it is very green; but shorter comm ... will generally bring them to their duty. If the fruit lies long under the tree, the worm escapes into the ground. | †

Locality of the Canker Worm.

The Nashville Agriculturist (as quoted in an exchange paper) recommends taking up the earth round fruit trees to the depth of six or eight inches, and to the distance of eight or ten inches, for the purpose of burning it, in order "to destroy the germ of the conker worn." Is the canker worm an inhabitant of Tennessee? Perhaps some of our readers can inform us in regar I to this particular; and also the boundsries of that district on which the genuine canker worm (Phalena vernata) is found.

Deane in his New England Farmer or Georgical Dectionary says, "It is not less than about fifty years since this insect began its depredations in New England, in the parts which had been Is ngost cultivated. But perhaps there is some reason to lope that Providence is about to extirpate them : for a little bard has lately made its appearance in a me parts of the country, which feeds upon the canker worms. Should these birds have a round merease, the insect will be thinned, so as to be less formidable, if not wholly destroyed."

The second edition of that work was issued in 1797. "soon after the first," and perhaps we may set the time of their first appearance about one hundred years ago. It will be safe to conclude they were not newly created about that time, however; and we may ask whence they came? or what other tree supplied them with food before that period?

The little bird was doubtless the coder bird-one of the greatest marauders of our land; but having no canker worms for Lim to feed on in this district, we should be glad to send him where he might find useful employment.

From Western Farmer.

Best Method of Improving New Farms.

If heavily timbered with oak, maple, beach, base wood, ash, &c., together with a heavy growth of underwood or brush, the best method in the opinion of the writer, or at least that has fallen under his observation, to clear such land as, if it be undulating and dry, to enter in the months of June, July or August, n the land to be elerted, when the leaves are large and full, with axe and bush hook in hand, and cat down all the trees and brush of and less in size than six or eight melies in diameter, on the first five, ten, twenty, or more acres, according to the means at command, leaving the larger trees standing.

Tries up the fallen trees by lopping off the branches, and then out up their branches into unitable length for rails, or to be thrown together into piles for burning, leaving the brush scattered over the surface of the ground to dry. The next step recommended, will be, after the leaves have fallen from the trees in the fall of the year, and before the buds start out in the spring, to girdle the timber or trees left standing so effectually as to kill them; and as soon thereafter ns the weather will perint. (if the season be favorable, the last of April or first of May,) put fire to your ofallow, and the probability is, you will get a "good burn." When once cleared off, but on a brisk team of young cattle or horses, and harrow up your land the ough till it becomes mellow and phable to the hoe; you may then plant it in corn or potatoes, or sow it to onts or other spiling grain, at your option, or as your anis may dietate. If you sow to outs, you can immediately seed down after them to "timothy grass," "red top" or "elover," which will soon furnish your farm with hay for your stock of eatile, &c. Nor will the 'girdlings' become dangerous to your cattle, or prove detrimental to your crops for the first three or four years, and in the mean time they can be cut down and used for sail timber, or are wood, and

almost any season of the year when he may have the most leisure time to do it.

It being generally the case with those hardy industrious men who most frequently break in upon new farms, that they are limited in their means, and having families to support, and some of them large ones too, they require a quick return of the outlay of their small capitals And this method of clearing the first forty acres of timbered land, if pursued, will place a family in circumstances to raise their own h consumption, a oner than any other, as much labor, time and expense are thereby saved the first year or two, while the new beginner is beginning anew with every thing new around hom. If "epenings," "prniries," or "plains," are to be worked, where there is ries, for "plains, are to be worred, where there is a heavy coat of herbage upon the ground, and no obstacles in the very of the plough, in the month of Juno or July enter upon the land to be byoken up with a sufficient team to turn over the sward with case, while the wild grass and leabs are yet tender and vegetating.
The depth of ploughing should be regulated accord-

ing to the depth of the soil. And as a general rule, printic can be ploughed deeper than either openings or the willow plains. "Onk openings," the first ploughing should be turned over to the depth of chout six inches, and great care must be taken to turn a "clean, handsome furrow," so as to cover entirely the vegetable matter, for one acre well ploughed and tilled, is better to the farmer than five but half done, and if the whishen buttle is suffered never to enter the habitation nor the field, and proper care be taken, the farm work is sure of being not only sear mebly, but well done. The land thus ploughed should be suffered to lie in fallow, undisturbed until the following spring, when it may be cross ploughed, harrowed and prepared for spring crops.

It may be well, perhaps, here to advert to one reason why the first ploughing in openings or plains, where the sub-soil tends to clay should not be made too deep. Argillous soil, in its natural undisturbed state, lies in a compact firm layer, and is of a cold sour nature ; and as new beginners are somewhat impatient for early crops, they cannot wait for the seasons with their accompanying attributes of heat and frost, shower and sanshine, to modify and subdue the natural sourness of a clayey soil it ploughed to the depth of ten or twelve inches at first: so therefore, as soon as the vegetation and mould which were turned under at the first ploughing, have sufficiently rotted to mix with the under soil that was turned up, and which being thin, (if ploughed but six inches,) and lying over a compost formed of the vegetable matter soon macerates, by exposure and the air changes of the weather, and will if planted or sowed, yield a tolerable crop, the time is improved by the new beginners, to avail themselves of the calliest possible harvest. And furthermore, as all newly cultivated lands, if properly managed, will yield a yearly increase of the products of the soil for the first five or six years; the depth of ploughing can be gradually increased without materially lessening the productiveness of the crop. same time the farmer is acceiving a rich reward for his care and labor. As I have already occupied a larger space of your useful columns than may be interesting to most of your readers in partly answering a short inquiry, I shall close by observing that if your "Tus-cola" correspondent, "O. S." needs any further information on the subject, after he shall have cleared or broken up the first ten acres of land, by so intima ting through the medium of the Western Farmer, ho can be accommodated by

" CINCINNATUS."

Lapeer County, Murch 20th, 1841.

Millet.

Culture .~ -This plant will grow upon any soil of tolerable richness, though it does best on loans. The ground should be prepared as fer ordinary croys. eed should be sown broad-cast, and covered with the harrow. If sown carly, the crop may be gathered in August, though if sown any time before the 25th of June, it will come to maturity.* If seed is the object. four quarts of seed to the acre will be enough; but if intended principally for cattle feed, the quantity of seed may be increased to eight quarts. It grows to the height of from two to six feet, according to the quality of the soil. Birds are fond of the seed, and devour it as soon as it begins to ripen. The crop should be therefore cut before the whole has matured, and while the straw is green. It may be cut with a syckle, scythe, or cradle, and should be housed as soon as it is sufficiently div.

Product -The product will be according to the soil, and will vary from ten to thirty bushels of seed, and from one to three tons of forage, on the acre. It sometimes produces more than a thousand fold returns.

Use - We have found it an excellent substitute for corn, in fattening logs, either ground or boiled; and if ground would probably be useful for neat cattle and horses. The straw is enten freely by cattle, and both the seed and straw abound with nutritious matter.— Albany Cultivator.

The following opinions were advanced by Messrs

ings in Boston:
"Millet was both grass and grain. Mr. C. had himself raised it at the rate of three tons to the sere, It is an angual plant, and is useful when other crops He had known millet sown in August, and a good crop obtained after the crop of hay had been cut for with drought. Cattle prefer it to almost any other kind of hay. When ripened it is a valuable grain, weighing from thirty to forty pounds to the businel, "Milet he (Mr. B.) believed a great exhauster

of the soil: it probably would not exhaust so much when cut for hay before it was ripe. It could not be profitably cultivated in this country for any other than a late crop.

For the New Geneses, Farmer, Agricultural SocietiesanThe Act of 1841 "To Promote Agriculture."

MESSRs. Elatons-There has been unich difference of opinion amongst practical farmiers, as to the utility of Agricultural Societies. Some have said they are altogether too partial in the ar operations, excluding from competition all, or mostly all, of those who have not ample pecuniary means of preparing subjects for exhibition and premium at the annual fair. It is urged that the pr meiple on which premiums have been awarded, ir stead of rewarding skill, economy, and good husbs' adry, has encouraged a few individuals to vie with e ach other in pampering a select number of anims' a, while perhaps their average stock may in conser nence be stinted below ordinary allowance, and be of the most common description. Some have besto wed all their manure on one or two acres, and by great expense of time and pains extorted a great crop of grain or roots, while the remainder of the farm has ' net with corresponding neglect; and finally, he whoo has succeeded in cramming the most pudding in to a pig, or has been able to draw the milk from the greater number of cows with one calf, has, as a mat ter of course, drawn the premium. Sir, how he ve y on fed this fine animal of yours? Oh, he has never had more than he could get, has been in some cas as about the necessary amount of scrutiny and investigation as to method and means.

Tue man who, regardless of expense, obtains the greatest crop from an acre or half an acre, w.'ll acomplish the same result. The same may be said of the otherwise frugal housewife, who neglects important domestic duties, in order to produce a highly wrong ht pair of silk stockings or a curious hearth rug.

These objections I confess are not altogether groundless; yet, upon the whole, agricultural societies, with all their errors of management, have stirred up a spirit of emulation, showed farmers what can be done, and been of great benefit to the interests of agriculture, I think the friends of improvement may felicitate themselves on the final attention which this subject has received from the legislature, and the passage of an act, which if carried out according to its true spirit, will obviate these objections, and place every one within the sphere of fair competition.

Although the allowance provided in this act is very limited; yet, as an incipient step, it is much better than no action; and it is to be hoped that the importance of the object will stimulate our farmers promptly to co-operate in making up the duplicate to this fund.

I propose to make a few remarks on section 3d of the act, which will be found entire in the June number of this paper.

. Cranes

Mention is made of "articles, productions and improvements, best calculated to prome to the agricultural, household, and manufacturing incrests of this State," All articles seem to be excluded from exhibition for premiums, except those which fulfil the shove mention. The officers of the society are to have " special reference to the nett pressis which accene or are likely to accrue from the mode of ruising the erop or stock, or the inbricacion of one article thus offered, with the Colman and Buckminster, at the Agricultural m. et- intention that the reward shall be given for the most economical or profitable mode of competition." above clause seems to embrace the true principle on whie', agricultural societies ought to operate and preminums be awarded. Farming in general is not carried on as an amusement, but as a source of profit, as an agreeable and healthy employment. The data which are to determine " nett profit," scem to be perfectly evident. He who succeeds in eliciting the most auimal or vegetable nutriment from a given quantity of material, with the same comomy of time and labor, shows the most skill; or, in other words, he who can produce a fine crop or a fine animal at the least expend of means, will reap the most "nett profit." It is well known that two animals of the same age and weight may be placed in separate pens, each may be fed the same quantity of grain or roots-at the end of a given time weigh and examine these animals and there will be found a difference (sometimes very great) in their weight and form.

The only possible circumstances which can produce this difference, are as follows:-

- 1. Method of preparing the food.
- 2. Time and manner of feeding.
- 3. Constitution of the animal, which embraces,
- 1. Voracity of appetite, which makes them what are termed '' good feeders.''
- 2. Power of the digestive and assimilating organs, by which a greater quantity of chyle is elaborated from the same aliment in some animals than in others.

In regard to field crops, it is bkewiee known that the most striking difference in the appearance and produce is sometimes only separated by a division fence. This is caused,

- t. By the previous condition of the land, quantity and quality of manure applied.
- 2. Season of the year when manure is drawn and method of application.
- 3. Number of times and manner in which the land is ploughed and harrowed.
- 4. Preparation of seed and mode of planting a sow-

5. And lastly, time spent in tending the Crop and manner of doing it.

A proper discrimination is required to hit right in every particular, and so adjust the labor and expense as to secure a profitable crop. The more skilful and adicions consideration of the above circumstances. can alone render one man more successful than anoth-

er. Here is ample scope for the exercise of thought and experiment; and the man who by well directed and careful experiment, establishes some principle in the rearing of stock, or cultivation of the soil, and in proof of this principle brings forward to the Fair a specimen of production, which not only excels, but has yielded a handsome " nett profit," will, by imparting his peculiar method, confer benefit on the whole farming community. In pursuance of this latter consideration, the act goes on to provide that the "person claiming the premium shall deliver in writing, to the president of the society, as accurate a description of the process of preparing the soil, including the quantity and quality of manure applied, and in raising the crop, or feeding the animal, as may be; esting the leaves of a cherry tree, which had been and also of the expense and product of the crop, or of blown down by a wind storm,

The second

showing accurately the profit of cultivating the erop or feeding or fattening the animal. This latter clause strikes at the root of the whole matter. It excludes all mere fancy farmers, who by dint of money can exlidat some huge unital, or produce an enormous crop from a few rods of ground.

It will be seen I think, that the spirit of the law is to give the "race to the swift and the battle to the strong," and as far as can be, reward and encourage genuine merit.

Farmers of 1841, why are you not still muzzling over the surface of your farms with the old bull plough with wooden mould board, and putting in your grain with the triangular harrow of nine teeth? Who amongst you now, who if your stock is not all thorough bred, have not a sprinkling amongst your flocks and hards of some of the best blood in Europe? To whom are you indebted for the amazing improvenieut which has taken place in farming for the last twenty years? To the ingenious, to the enterprising, to the men who were willing to hazard time and means in doubtful experiments-many important hints on which you are almost unconsciously practicing with success, you can trace to these men-men of thought, men of persevering exertion. I need not say that real excellence in any depart-

ment of business is not the result of accident, or blind chance. It must be the fruit of cool reflection, of " pa tient thought." The brilliant creanations of genius, like those luminous appearances in the besvens which sometimes occur, may dazzle and surprise and excite our admiration; but most of the great practical improvements in the arts which have raised men from barbarism, have been the fruit of laborious exertion, of protracted experiments. They have caused much racking of the brain and many sleepless nights.-These remarks apply as well to farming as to any other pursuit. The door of improvement is still openlet the tide flow on. Every farmer, if he studies his own interest, will become a member of the county society; and if he has not the taste or the time to devote to agricultural experiments, let him cheerfully contribute a little for the encouragement of those who, for his benefit, are willing to search out the most successful and economical method of raising a crop, and will be at the pains of introducing the most and breeds of horses, cattle, sheep, and swi-Ogden, Juna 10, 1811. ...e.

J. B. SMITH.

For the New Genesce Farmer. Shelm Poisoned by the common Red Cherry.

Messes. Editors-Some six or eight years since, while carrying on farming at Rock Stream, one of my orchards, in which was a variety of fruit trees, including a number of the common red sour cherry, became covered with a luxuriant growth of grass, to destroy which, I turned in, about the first of September, fifty or sixty merino sheep. The animals seemed unusually fond of eating the young cherry sprours which Lad sprung up very thick under and about the cherry trees. In less than an hour a large proportion of them were discovered to be diseased, and they were immediately turned out. They staggered continually. pitching forward upon their heads, and often turning entirely over upon their backs. In the course of two or three hours several of them had died; the remainder gradually recovered.

Post mortem examinations proved that their stomache were compactly filled with the leaves of the cherry sprouts, containing, I presume, prussic acid sufficient to destroy animal life.

E. BARNES.

Note .- A neighbor of mine lost a cow from her increase in value of the animal, with the view of | Genera, May 29, 1841.

Excrescences on Plum Trees.

We first observed the new exercscences on plum trees about the 12th of last month; but as vegetation has been unusually backword, it is probable that in other years, they will appear much carrier. The worms in some of these bunches are more advanced than in others.

The more we see of the works of this insect, the more we are satisfied it may be easily kept in check, or entirely destroyed. Excepting the few that migrate, it seems not much included to wander from its native tree, unless others are very near. Where it attacks plum trees with thick branches, the proprietor may find an advantage in cutting out a part with all their leaves and fruit on,—because he can find the bunches so much more readily, and because the fruit that remains will be finer and more valuable. Summer pruning is much approved by some horticulturists.

Possibly some of our readers may think we are bestowing an undue share of attention on this subject. We don't think so. We expect the most intolent will be the first to complain; and it is this class that we more especially want to stimuliste into acron. Get up half an hour before the usual time—steal away from a mone spell to attend to it—take the neighbor that comes to spend an idle hour along to see the operation and to assist—it will do him good—and the plant tees will be saved from ruin.

Even as late as when our paper makes it appearance in these northern parts, it is probable that many worms will still remain in their nests. Cut open the bunches, and so if it is so. If any are found, destroy them. If half of them are stopped on their way to mischief, it will be semething of great value, not only as it gets a men's hand into the business, and prepares him for doing his duty next year, but he will have much less to do.

Rust on Wheat.

A well written paper on the cause of Mildew, Blight, or Rust, was lately read before the Philadelphia Society for Promoting Agriculture, by Kenderton Smith, in which he endeavors to show that this malady is eccasioned by soring grass seed amongst the trheat. We have no doubt however, that in difficult endeavors, and different circumstances, the presence of rust may be owing to more than one caucity et, if sowing grass seed 37th wheat, often, or generally produces it, it is a most important discovery.

From this paper, (published in the Farmers' Cabinet,) we make the following extracts:

"The wheat of several fields which came under my observation [in 1838] and which had not been sown with grass-seed, was good, the straw bright, and the grain of excellent quality. I also remarked, that other fields which were sown with grass-seed, and in deed the crop generally throughout the country was grendly injured, and in most instance, interly destroyed by mildew or rust. What appeared very remarkable was, that we heard of excellent crops which had been raised in the very milds of this ruin and des-

"In the summer of 1833, I was appointed by the society, one of a committee to evantine a requiring machine, then recently invented. We visited the farm of Mr. John Fox, of Oxford township, Philadelphia county, for the purpose, where the machine was put in operation upon a field of eight acres. This grain was remarkably linear all respects: It was tall, and much of it was lodged, by the berry was perfectly filled, and the straw was in no respect touched with mildow. There was no grass sown exist hits grain; and I have since learned that Mr. Fox and his brother have for many years, always sown their wheat willout grass, and that their crops have been uniformly good.

"Adjoining this field was another in wheat, the stream of which was tall, and the growth of which had been apparently as vigorous, but the grain was shrunk and of little value. This field was sown with timothy the previous fall, and with clover in the spring, and the ground was covered with a thick and

healthy cont of these grasses. The soil, situation, and advantages of these lots, for the growth of wheat, were to all appearance the same. There was another field of wheat on the opposite side of Mr. Fox's field, and only separated from it by a road, which was also utterly worthless from imblew. This lot had also been sown with grass, and there was a strong growth upon it. Here then was field of very superior wheat, situate between two other fields which were searcely worth cuttage.

"Within the last two years I have heard of many instances of good grain, and but one instance of mid-dewed whent having been produced on lands not sown with grass, or on which there was not a strong growth of grass or weeds. In every case of middew during that time, I have ascertained upon inquiry, that grass had been sown with the grain, or prevailed to considerable extent naturally.

⁶⁴ I do not wish to be understood as stating that the presence of gress always produces insidew or rust, for I know that good crops of wheat have grown with it in dry sensons; but I do contend that the presence of a thek; growth of grass or weeds upon the surface of the land, predisposes the crop to discuss or mildew, and that in wet sensons it is almost invariably noxious and but full to the wheat plant.

"P. S. I am informed by Mr. Isane Newton, an active and zealous member of the Society, and one of our most enterprising farmers, that he had has year, a field of about eight acres of wheat, which he sowed in the fall with timothy and herd-grass, except one land, marly in the middle of the field, which by accident was omitted. The wheat upon this land was not affected by mildow, and the grain was of superior quality, while the rest of the field was rendered worthless by mildow."

The foregoing statements are very interesting; but we would refer our readers to an able article on this subject, published in our current volume, at pages 38-50, which is worthy of a careful perusal. Now is the season for farmers to make observations in regard to this matter. Let them take notice, in addition to the above suggestions, whether stable manure is tavorable or unfavorable? Whether compost, including a portion of lime, has a bad effect ? Whether head-lands in fine tilth, but trodden hard after the wheat was sown, are more tree from rust? Whether this fungus often spreads from low wet places into the drier paits of the field? and whether it rarely occurs under the shade of trees? The satisfactory determination of these points may lead to very important resalts; and we should be pleased to bear from correspondents on the suly: ct.

"S. W." and the Corn Laws. To the Editors of the New Geneses Farmer:

Your correspondent, "S. W." appears to have paid much attention to the subject on which he treats; hut, on the whole, his speculations are much better adapted to the state of information and feeling which existed fifty years ago, than to the present time.

While every laborer must, as he ought, acquire by his daily wages sufficient to cloths and educate respectably his family and provide something for future use, it will be difficult to convince our farmers that their profits will be increased by the "low prices of agricultural products." It may be replied that this will regulate itself—that the cost of labor will be proportioned to the prices of the articles produced; but this is not true, except in part; and can only be the result of great uniformity in the cost of the articles consumed, according to their value. For instance, it the bulk of our importations are purchased at high prices, the wages of the working man would doubtless exceed the means of the farmer to pay, if wheat was at a low price.

It is gratifying to observe, nouvithstanding the lessons of patience read to us by "S. W.," and his conclusion "that we have no right to complain of the English Corn Laws, which save her agricultural interests from nuter prostution and rain," that the spirit of free trade is spice-dung in England as well as this

country. He has doubtless observed, that though generally opposed by the landed interest, which seeks but its own salish ends, regardless of the claims and suffering-of community, a mighty movement has taken place, which must result in the repeal of those laws, at no distant period. When this takes place, it must be obvious that the market for our whent will be much better than at the present.

If "S. W." will take into consideration the unhunited capabilities we possess of producing this great staple, and the certainty that in a few years at farthest, our market will not be adequate to the supply, he will agree with Gov. Davis, of Massachusetts, in saying, "that the policy of our nation in sustaining the cetten growing interest to the neglect of wheat, is unwise and unjust."

It has often seemed passing strange to me that so little has been done to promote the prosperity of millions at the North, in this important particular, when a few hundred thousand men at the South have an accredited representative at the Court of St. James, wratching every movement which may affect in the slightest degree their favorite exports.

But there is another aspect to this question, to which I would direct the attention of your correspondent. He thinks we have no right to complain when the landed interests seek their own protection; but did he ever reflect that this protection was the cause of want and misery incaculable? It is not the only result of this system, that the English laborer is absolutely precluded from any higher expectation than providing a scanty support for his family; thus extinguishing those noble incentives to exertion, which lie in the path of the humblest individual among us; but let him bear in mind, that no small share of the people of that country, from the operation of those laws, inhabit damp and noisome cellars, crowd to an incredble extent every garret and hovel, and drag out a most miserable existence, that "the agricultural interests" may ride in splendid conches and feast upon the dainties of the earth. Surely the dictates of philanthropy should outweigh those of cold selfishness. It is however, by no means certain that English proprietors would be the losers by an act of justice and merey; for, says Lord John Russell in his motion for the reduction of duty on foreign grain, "the safety of free unde has always been considered as an axiom by writere on political economy, and I see no good reason why it should not be reduced to practice."

S. R. W.

For the New Geneses Farmer. Rotation of Crops-Root Culture.

Messas. Epirons-I am often asked by brother farmers how they can change from their old impoverishing mode of farming, and adopt an improved system. I say to such, fix on a proper rotation of crops-begin on a small scale till 'sure you are right, then go ahead.' My rotation for a five or six years' course is. Ist. Pens, on green sward; 2d. Corn or roots, with manure; 3d. Spring wheat; 4th. Oats, and seed with clover, or clover and timothy; 5th. Hay or pseture. I find winter wheat a rather uncertain crop, on account of its winter killing, and therefore prefer spring wheat. The Italian I have found the most productive variety. I have raised more than thirty bushels of this kind to the scre for the last four years, since ! have adopted the above rotation; and last year I cut, from one acre, 1010 sheaves, which yielded fifty-six bushels; and I believe I can do it again.

My ruta baga crop last year was 1836 bushels, from three acres. I key twenty pigs entirely on them, and four working horses in good condition, without grain. I also feed sheep, calves, and cattle on them. But some farmers say, "my pigs will not at them:" very ikely. Then boil the roots for them the first day; below the original surface of the land, we intend to salf boil them the next, and the third day feed them aw, and you will have no further trouble.

I raise the carrot and sugar beet, but do not think my land as well adapted to them as to the ruta baga. Last year my white beets yielded about 500 bushels to the acre, and carrots 450 bushels. I should prefer carrots to the ruta baga for horses, if as easily raised; but with me they are more expensive.

Farmers think it costs too much labor to raise ruta baga; but if they will try it, and note the expenses, it will satisfy them they get well paid for it. As I have kept an account with my crops for several years, I have ascertained that more value may be realized from ruta baga than almost any other crop. I give you the account of one acre raised last year, on land which the year previous was sward, turned over and cropped with

pens.	
Rent of land to cover interest and taxes,	\$3 00
Ploughing,	1 50
Thirty loads barn yard manure,	7 50
Ridging before and after manure,	1.50
Planting and seed,	1.50
Hoeing and thinning, four days,	3.00
do. do. 21. time, 2 days,	1.50
Horse and man with cultivator, three times,	1.50
Harvesting and pitting, two hands and team, two days,	6 5
-	

600 hushels ruta bagas a 16 cts. \$97 92

Nett gain, \$70 42

Cost only 45 cents per bushel.

I call the manure only 25 cts., as it only fits it for after crops, and is nearly saved-I used to make but one hundred loads of rotted manure, and now I make three hundred from the same means.

As many of your readers have never seen the "Ruta Baga flook," would it not be well for you to publish a description of it from the Cultivator, vol. 7, p. 1211 I consider your paper invaluable to the farmers in this region; as it is more particularly calculated for Western New York than any other; and wish it was in the hands of every farmer.

You may publish any, all, or none of this, as you may see fit. If you wish, I may give you an account of some other crops hereafter; but I can hold the plough better than I can wield the pen.

With respect, ERASTUS SKINNER.

Prattsburgh, June 18, 1-41.

Remarks .- Thank you, Mr. Skinner. We like your mode of wielding the pen, and should be happy to hear from you often. We will show the Ruta Baga Hook next month .- EDS.

Ploughing level Land in broad Ridges.

We have some nores of level land with a hard close subsoil, through which the water soaks very slowly; and sometimes in rainy weather stands for days together in the furrows .- (Why don't you drain it ?-We intend to-one thing at a time; but in the mean time we have been gathering it up into broad lands of fifty feet or therenbeuts. This is done by ploughings, repeated in the same order, without leveling it back again; and a very fine effect has been produced. Instead of the soil soaking for a month or two during our wet apring, and accming almost prepared when dry, for the brick-kiln, it becomes light, mellow, and greatly increased in fertility. Crops, double in value, whether of grain or grass, may now be readily obtained.

As the middle part of the land is much elevated, so the dead furrows are proportionably depressed; and

make covered drains, perhaps three feet deep which shall freely discharge all the water that soaks down from the lands into them.

In conclusion, we would just remark, that the lands are raised without extra expense or labor, the work being done in the ordinary routine of cultiva-

Locust Tree Insect.

A correspondent in Sencea county informs us that his locust trees are infested with "small insects about a quarter of an inch long," and he thinks they will mevitably destroy the trees, unless we or our correspondents can point out a remedy.

We are not informed in what manner this insect commits its depredations-whether it preys on the wood, the back, or the leaves-nor are we informed whether it is a worm, a caterpiller, a beetle, or a flybut it is an insect about a quarter of an inch long! Very definite indeed! Who can tell what it is, or how to destroy it? We know of but one insect that infests these trees, and that is the locust borer, which in its perfect state, is a beetle about five-cighths of an inch in length, of a dark brown color, with bright yellow stripes acrosa its wings and body. In its larva atate, it is from one half to three quarters of an inch in length, and does its mischief by boring holes in the body and limbs of the trees, so that they break \$27 50 off or die. They first made their appearance in the Enstern states, we believe, about 15 or 20 years ago, and soon destroyed many of the trees there. They began to sppear on the trees at Rochester about eight years ago, and in four or five years they destroyed or disfigured nearly all the large trees about the city, and they are still prosecuting their work of destruction.

We have not discovered them in many places beyoud the vicinity of the city, but they are doubtless extending themselves, waging a war of extirmination against locust trees; and we have no doubt this is the insect found by our correspondent. We only regret that we are unable to offer him a remedy against their ravages. Scraping off the rough bark and giving the tree a coat of white wash, has been practiced here as a preventive, but with only partial success. They do not seem to increase very rapidly at first, and their numbers can be reduced by picking them out of their holes with a barbed wire. The perfect insect may be seen at this season of the year, running rapidly about the body and large limbs of the tree.

American Society of Agriculture.

We last month published the address of Mr. Robinson on the formation of a National Agricultural Soeiety. We now give a circular and form of a subscription paper received from him. If any of our readers desire to send their names or contributions to aid in this landable enterprise, we shall be happy to forward the same to Mr. Robinson or to Mr. Ellsworth.

To the Editors of the New Genesce Farmer:

GEN .- The object of the annexed form of a subscription, is to ascertain whether there is a sufficient number of the friends of this great measure in the Union at this time, willing to lend their influence, to warrant a call of a primary inceting to ORGANIZE the Society. Should the indications appear favorable, a committee of the friends of the cause will take upon themselves the responsibility of naming a time and place for the meeting; of which you will be duly notified.

I fondly hope you will promptly lend your own name, and procure a few names of other friends of agricultural improvement in your vicinity, and then forward the subscription by mail in time to reach in the bottom of these, now a foot or sighteen inches Washington by the 10th of August; addressed to the green colored leaves.

Hon, H. L. Ellsworth, Commissioner of the Patent Office, for Solon Robinson.'

If you are averse to asking your friends to give pecumiary and to this measure in its incipient state, pienec make use of the first part only of the paper.

Thopo you will charge the liberty I take, to the zealous ardour I feel in promoting this great National

I have the honor to subscribe myself your agricultural friend and humble servant.

SOLON ROBINSON.

Lake C. H., Indiana, June 3d, 1811.

[FORM OF SUBSCRIPTION PAPER.] National American Society of Agriculture. "To elevate the Character and Standing of the Cultirators of the American Soil.

The subject of forming such a Society, being now agitated in the United States, we do hereby pledge ourselves to the support of such a society, seconding to our ability; and we carnesily hope that the nerve leading friends of the measure will take the necessary steps to organize the society in the course of the year

Knowing that funds will be necessary to bring this great beneficial National Institution into active opera tion, particularly as we hope to see a National School of Agriculture connected with the Society; and also a scientific Journal worthy the proposed name and character of such an institution-those of us who have added certain sums to our names, have freely contributed those same, and placed them in the hands of

to be expended in aiding the formation of such a Society.

New Varieties of Turnip Seeds.

A large assortment of Turnip seeds from England, have lately been received at the Rochester Seed Store, including, besides the more common varieties, several kinds quite new, or but little known in this country. We extract the following discription of some of them from the London Farmers' Magazine.

Green-Topped Yellow-Butlock-This turnip sttains a medium size. Its shape is globular, or some-what flattened, with a very small tan root; it is smeld variety, and is held in deserved estimation.

Ox-Heart Vellow-is an excellent turnip; although it comes early to maturity, and attains a considerable size, it is by no means deficient in hardiness.

Hood's new large Yellow-is a very emperior, large, globularly shaped, hardy turnip, remarkably perfect in symmetry, and has rather a lightish green top. It was introduced by Charles Hood, Esq., an eminent farmer at Inverbrora, Sutherlandshire, a gentleman who has devoted much attention to the ultivation and improvement of field turnips gener-

Pomeranian Globe .- This variety was introduced some years since from Pomerania, and may be considered the most perfect globe turnip in shape, as well as the most regular or uniform grower. Its skin is of a smooth white, and somewhat shining or transparent-like in appearance; leaves smoothish, of a dark green colour with whitish nerves.

Red Tunkard .- In size, shape, and texture, this ariety may be considered as occupying an intermediate place between the white and green tankard. It is of a bright red clover on the upper surface, and white on the under.

Lawtown Hybrid .- This variety, which was raised by James Wright, Esq., of Lawtown, near Perth, may be considered as bearing the same relation to the Swede as Dale's bybrid. Its leaves are darkish green, rather small and smoothish, roots roundish or somewhat heart-shoped, being often tapered on the under side; white below and green above the sarface of the ground. They are possessed of more solidity and firmness of texture than most of the white sorts. They are possessed of more solidity

Lewisham Green-Topped Ox-heart .- This is an excellent variety, grown in some of the southern districts of England and in Scotland. It acquired this name from having been first introduced by Mes-1s. Willmott and Co., of Lewisham. In color and share it very much resembles the Lawtown hybrid, but is somewhat softer in texture and has larger and lighter

CATTLE SHOW AND FAIR

OF THE N. Y. STATE AGRICULTURAL SOCIETY-TO BE HELD AT STRACUSE, SETT. 29 AND 30, 1841.

The New York State Agricultural Society will hold a Cattle Show and Fair at Syracuse, on the 29th and 30th days of Sept., 1841, at which time the following Prizes will be awarded. The Premiums offered, are numerous rather than large, the Society preferring to make their appeal to the emulation and public spirit of our farming population, rather than to that avarice which can alone be called into action by the inducement of large rewards.

List of Premiums.

ON CATTLE.

I. BULLS-Of any breed-3 neurs old and over.

H. BULLS-Of any breed, over 2 and under 3 years old. HI. BULL Of any breed, under 2 years old.

For the lest, ... \$12 For the third best, ... \$5
For the second best, ... 8 For the fourth best, Diploma.

IV. COWS—Of any improved breed, 3 years old and upwards. For the best, ... \$20 | For the third best, ... \$5 For the second best, ... 12 | For the fourth best, Diploma. V. HEIFERS—Of any improved breed, 2 years old and over. For the best, \$12 | For the third best, \$5 For the second best, 8 | For the fourth best, Diploma. VI. HEIFERS-Of any improved breed, under 2 years old. For the best, \$10 | For the second best, \$5 For the third best, Diploma.

VII. COWS-Cross between the native and improved breeds, VIII. HEIFERS-Cross between the native and improved

For the best, \$10 | For the third best, \$5 For the second best, 8 | For the fourth best, Diploma.

IX. COWS-Native breeds.

The greatest combination of those points or proper-

ties which indicate milking qualities and an aptitude to take on flesh on the more valuable parts, together with general beauty of form, (size in itself not being considered a criterion of excellence,) will be the considerations which will govern the viewing committee in awarding premiums in the above classes.

ON HORSES.

For the best Stallion, \$29 | For the best breeding } September Stallion, \$29 | For the best breeding } September Stallion Stalling September Stalling September Stalling September Septemb

A variety of horses possessing size, strength, and endurance for field labor, combined with that action which qualifies for the carriage or saddle-in short. the horse of all work, is probably the most profitable class which our farmers can now engage in rearing, and to such therefore, will the preference of the Society be given.

SWINE-Over 10 months old.

In awarding premiums on hogs, reference will not be had exclusively to size or to present condition, but to that form and that proportion of bone and offal to more valuable parts, which promises the greatest value from the least amount of feed.

SHEEP-I. Lone Woolen.

For the hest Buck, ... \$10 | Best pen of 3 Ewes, ... \$10 | For the second best, ... 5 | For the second best, ... 5 | For the third best, Diploma. II. MIDDLE WOOLED.

For the best Buck,....\$10 | Best pen of 3 Ewes,....\$10 | For the second best,....5 | For the second best,....5 | For the third best, Diploma. | For the third best, Diploma. HI. FINE WOOLED.

For the best Buck. \$10 | Best pen of 3 Ewes. \$10 | For the second best, 5 | For the second best, 5 | For the third best, Diploma. | For the third best, Diploma.

The term "long wooled" is designed to include the Leicesters, Lincolns, Cotswolds, and all the English varieties of sheep which furnish the quality of wool suitable for combing-the " middle wooled" the South Down, Norfolk, Dorset, Chevoit, native, &c.—the "fine wooled" the Spanish and Saxon varieties of the Merino and some of their crosses,

FARM IMPLEMENTS.

Discretionary premiums will also be awarded to manufacturers of the best sub-soil and side-hill ploughs, hoes, shovels, spades, forks, rakes, and other farming

The economy and durability, as well as the excellence, in other respects, of farming implements, will be taken into consideration.

Discretionary premiums will be awarded for the best samples and best varieties of winter and spring wheat, corn, rye, barley, oats, pens, beans, buckwheat, hemp, flax, broom corn, maple, and beet root sugar, &c. &c.

Also, potatoes, turnips, sugar beets, mangel wurtzel, carrots, pumpkins, and horticultural products gene-

Also, fruits of all kinds, and flowers. The varieties, when different from those in common use, should be properly explained, the method of cul-

Prizes to be Awarded in Albany.

The following premiums will be awarded at the ananal meeting of the Society, on the 3d Wednesday of January, 1842:

BUTTER AND CHEESE.

For the best sample of Butter, not less than \$20 | Cheese, not less than 100 pounds, \$20 | Cheese, not less than 100 pounds hest, 12 | For the tire for the tire flower, \$20 | For the first hest, \$20 | FIELD CEOPS.

Best acre of B'heat... \$90 Best acre of Polatees... \$15
For the second best, Diploma,
Best acre of Barley... \$15
For the second best, Diploma,
For the best acre of Barley,... \$15
For the second best, Diploma,
For the best acre of Ray & Sich
For the second best, Diploma,
For the best acre of Ray & Sich
For the second best, Diploma,
For the best acre of Day & Si
For the second best, Diploma,
For the best are of Day & Si
For the second best, Diploma.

The rules and regulations which will govern the Society in awarding their Premiume, will be published in our next.

The prizes will be paid in plate or cash, at the option of the winner. Should not the Society obtain a Diploma in season, some Agricultural Work or Print, may be substituted for their Diploma.

Complementary Colors.

It has been long known that some colors when arranged together, are much more pleasing than the arrangement of other colors; or, that there are concordant and discordant colors as well as concordant and discordant sounds. The late Paron Covier took this notice of the subject in Les "Blographical Memoir of Count Rumford."

"He determined by physical experiments, the rules that render the opposition of colors agreeable. When one looks stendily for some time of a spot of a certain color on a white ground, it up cars I redered with a different color, which however to always the same with relation to that of the apot. Th. is what is called THE COMPLEMENTARY COLOR; and the same two colors are always complements; y to each other. It is by arranging them that harmony is produced, and the eye flattered in the most agreeable manner. Count Rumford who did every thing by method, disposed according to this rule, the colors of his furniture, and the pleasing effect of the whole was remarked by all who entered his upartments."

In a recent number of the Gardener's Chronicle, this subject is discussed at some length, and the Essay of Chevreul (who has lately examined it with much attention) is referred to, for several particulars. In this way, the editor says, "complementary colors always suit each other. Now the complementary color of red is green; of orange, sky blue; of yellow, moved, and although the ground was in other respects

violet; of indigo, orange-yellow; and consequently, blue and orange colored flowers, yellows and violets, may be placed together; while red and rose colored flowers will harmonize with their own green leaves. White suits blues and oranges, and better still reds and roses; but it tarnishes yellows and violets. In all cases however, when colors do not agree, the placing white between them, restores the effect."

To the lovers of beautiful flowers who may wish to arrange them with the finest effect, there notices may be interesting and useful; and the following suecession of colors is recommended, where the flowers are placed in lines; viz:

"White, reddish-scarlet, white, rose-lilae, yellow, violet or purple, orange, white, reddsh-scarlet, purple tinged with green, toe-like, yellow, violet or purple, orange, white, red-scarlet, deep purple, rose-line, white, yellow, violet or purple, orange, white,

&c."
"To produce the best effect in patches of seven arranged thus-

we may have 1. Six orange with a purple or violet centre. 2. Six purple or violet with a yellow centre.
3. Six yellow with a purple or violet centre. 4. Six scarlet with a white centre. 5. Six white with a scarlet centre. 6. Six rose with a white centre. Six blackish green purple with an orange centre. These seven patches forming a straight border, may then be repeated in an inverted order which would give 13 patches; and there should be a patch of seven whites at each end. If the border is circular, without any central point of view, the foregoing ar-

angement should be repeated ad infinitum without verting the order after the 7th patch. "Another advantageous disposition would be the following: " orango white " pink

pink , yel, low , white orange, vio *let , white white * * rose white * * orange

* yellow violet 9 scarlet * white yellow whate violet white yel low scarlet

* yellow

violet *

* white blue.purple * white pink hlue-purple * white," blue purple *

scarlet *

white

From the Magazine of Horticulture. The Vellows in Feach Trees.

I have noticed occasional useful remarks on the best varieties and the culture of fruit trees, in your valuable Magazine; but I have not, as yet, seen any remarks upon the disease called the yellows, which affects the peach tree, or reasons assigned for its prevalence. If the cause could be found out, it might lead to a cure, which would render a lasting benefit to our country. However valuable mest other fruits are, none are equal to the peach in delicious flavor and healthiness, and I should therefore be pleased to see this subject carefully investigated, and the experience of some of your mulligent correspondents communicated through your pages.

And as I have, for about thirty years, occasionally had my attention drawn to this subject, I am willing to throw in my mite of experience. I am fully satisfied that the complaint exists. Some persons say that the worm at the root is the cause of the yellows. acknowledge that any disorder that destroys the trees will cause the leaves to turn yellow; but the com-plaint I call the yellows will kill a whole orchard, without any visible wounde, on or before the third or fourth full crop 1 think where any neighborhood abounds with peach orchards, it will be nearly impossible to keep clear of the disease.

On planting out young peach trees on the site of a peach nursery, two years after the nursery was e

well suited for the growth of the peach tree, yet by the next autumn, many of them ware dead, and the la ance so sickly that I had them all dug up, and there was no sign of the worm at their roots. From this, and other similar experiments, I think the disease may be generated by planting in or near where a nursery or orchard of peach trees has been, or where the latter is a consequently, where a neighborhood abounds with peach trees, there is danger of its becoming oversprend with disease, without breater care than is usually taken to prevent it.

I think I have seen evidences of its being in some de ree contagious. Richard Cromwell, the respectable and worthy peach raiser, near Baltimore, has for upwards of therty years supplied that city with percues of the b. st quality, on a large scale. Some time since, when I was walking with Mr. Crouwell inrough his peach orchard, when the trees were hanging tall of ripe fruit, he pointed out a tree he said had the yel-lows, having a full crop upon it, at that time words one dellar per peck, and to me it appeared healthy; but he observed to me, "as soon as I take the fruit from the tree, I shall dig it up, in order to prevent the disease spreading any farther, for I expect the side of the adjoining trees next to it will be affected next I had occasion to pass through Mr. Cromseason. well's octavit the next fruiting time, and the sickly tree had been dug up, but, as had been predicted, parts of the four neighboring trees were evidently much affected, but only the sides next to the diseased tree, which made it the more striking, and convincing of the contagion, if this is a proper term.

On another occasion, I had a favorite early purple peach, before I had a nursery, that I suspected was partially affected by the yellows, and being desirous of preserving the variety, I cut the healthiest branch I could get, and I had twelve buds inserted in healthy peach stocks, but when they had grown about three feet, they showed the disease so plainly that in order to prevent it from spreading, I pulled up all the trees, and had them burnt.

From these cases, it seems to me the disease may be generated by planting old peach orchards or nurseries too soon after the removal of the old trees, and also by planting too near those already affected with the disease; and if cuttings or scions are taken from diseased trees, their product will be also diseased. 1 also think the yellows may be communicated to young trees by planting seeds taken from diseased peach trees. Respectfully your friend.

ROBERT SINCLAIR. Clairmont Nursery, March 12, 1811.

Betany.

In the whole familily of sciences there is not one more instructive and pleasing than Bosany. It cultivates and putifies the better feelings of our nature, by directing our minds to the goodness of God, as displayed in a very extensive portion of 111s works. And while it relines the taste and captivates the fancy, it enlightens the understanding and strengthens the judg-

Cold and unthankinl indeed must that man be, who feels no warm emotion while he beholds the bounties and smiles of an Omnipotent Creator. How then can that science fall to be interesting which treat of so important an operation in nature, as the process of vegetation, and which classifies plants and explains their properties. Whether we survey nature in the wild luxuriance of the forest, or in the most delicate beanties of the garden, without some knowledge of this science, all is equally irregularity and confusion. We may a little wilderness of the one, or be pleased with the variety of the other, but we cannot feel that interest which even a partial acquaintance with this science will impart. All then is order, beauty and harmony. We see the sturdy onk of ages, and appropriate to it its legitimate place in the vegetable kingdom; we scrutinize the polished petals of the flowers and glow with admiration and delight. We no longer walk in the woods, or the fields, or amuse ourselves in the gard a without discovering new beauties in every shrub, and plant, and flower, which comes under our notice. The vegetable world at once becomes animate. We read new lessons of wisdom and goodness in every binds of grass, and find that there is not a leaf nor a fibre, which does not perform its proper office in the production of the plant.

The science of Botany has already secured itself a

place in almost all schools of the higher order, and only needs an introduction to be generally received and studied, in our echaols of even the numblest character, it has nothing abstrace in it, but is entirely within the capacity of every grade of intellect, and may be acquired even by children. True they may not become the content of t

thoroughly versed in it, nor me they empable of fulderstanding many other branche of knowledge which they study. It is a matter worthy of investiga-tion and trial whether the introduction of as pleasing tude as that of flowers, for which all clubben towe a great fordness, would not have a happy miluence on our schools. It would be connecting pleasure with improvement, and would have a tendency to ereate a inste for study which should not be the least object of

1. would be an instructive amusement too for youth of both sexes to study this science even after leaving school. Youth is a period in which amusement will have a place in the distribution of time. This is as it hould be, but that cour-e cannot be an nawise one, which makes that annusement a source of instruction. of science is hterally strewed with flowers. How many an hour which we spend in idle lounging, might be occupied in some pursuit, which while it recreated, would improve us. And at this season of the year nothing could be better suited to such a purpose that the study of Botany.—Western Star. PHILO.

Farmers and Mechanics.

We heartily concur with the Louisville Journal in the following remarks. The New York Mechanic is one of the changest and most interesting of our exchange papers. It is published weekly at the low price of \$1,50 per year. All mechanics and most farmers, will find it worth many times the price of sabscription.

"Among the many valuable papers which we recive, there are few possessing more substantial ment than the 'New York Mechanic.' It is a weekly paper published in the city or New York, by Rufes Porter & Co., and, as its title indicates, is devoted to the diffusion of information on subjects connected with the arts and sciences-notices of the progress of mechanical and other improvements, discoveries and inventions, scientific essays, phil sophical experiments and general miscellany, Ear'a number contains plates illustrative of some new javention or improvement in machinery, with accurate and copious explanations, calculated to keep t'ac mind of the reader well informed of the progress of the useful arts.

"The success of a paper of this kind is a cheering evidence of the increasing interest of the reading community in whatever tends to develop the genius and unfold the resources of our people, as well as of the growing intelligence and enterprise of the mechanics of the country. In times past, no class of society has been so poorly represented in the world of letters, as the mechanics a. I farmers. Literary periodicals are every where to be found-political papers have multidied until their name is legion-even until every pohugal party and fragment of a party has its horde of stipendiaries, performing its beliests with a blind and heedless devotion-theology has its championsits advocates-medicine and surgery their defenders, and even phrenology, animal in guetism and Graham's system of subhinating the mind on bran bread and Tannton water, have secured the aid of the PRESS, which, with its thousand times multiplied voices, has heralded the merits of each all over the land, and compelled the public eye and ear to entertain its claims to attention.

"But the interests of agriculture and the mechanic arts, and the beautiful and glorious sciences in the midst of which they spring into life and asefulness, have scarcely been deemed worthy a place in the archives of the age. It has been deemed enough for the farmer to plough sow and reap, as his father did before him; and for the mechanic to learn his trade and pursue it in the beaten and unimproved track that his master trod-as though labor were the only means on which to rely for success and experience-interchange of opinions—diffusion or knowledge—intellectual cultivation and generous entulation, out of place or, not

worth the pursuit.
"Of late however, those classes on whom the prospenty, wealth, and glory of our country so much depend, have assumed a more commanding position. A newspaper devoted to the interests of the mechanic and the cultivator of the soil, and conducted with taste, ability and effect, is now no strange thing. We see no surer mark of the progress of society than the eleval on of the laborer to his proper dignity, wherein his

the mind and lead it on from discovery to discoverytions invention to her auon, as the cultivation of the sail and the pursuit of the different branches of mechanical science. The mind has always a fund of fresh mat mals to vork apon, cryable, by a thousand changes and combinations, of be reimproved without limit, yet without ever reaching absolute perfection. The chemical properties of soils—their adaptation to particular crops—the cultivation of the fruits of the earth, and the renting of the neetal animals, afford a never chang sense of instructive lessons. And the mechanic arts, 's wool lesson was full-how well calculated to coast the arquiring mind in the pursuit of those improvements which, while they develop its nan powers, causing the sphere of human happiness, and strengthen the domeston of the intellectual over the material world." own powers, enlarge the sphere of human happiness,

How to Eradicate the Bramble.

I observe that a co. espondent in your lost number inquites how the blackberry bush may be destroyed. As I have encountered and eradicated some formidable patches, which existed on the lands which I have at different times added to my farm, I think I may venture to recommend to your correspondent an infallible prescription. Some time in the winter or spring cut them close to the ground, and repeat the operation the last of July. A few will appear the second year, be sure to cut them also the last of May, and the last of July. This specific is based upon the scientific principle, that no tree, skrub or plant, can long maintain the life of the root without the aid of the top. The leaves, e.e. are as indispensable to the long life of a vecetable, as lungs are to an animal, income plan will destroy the iron weed or devil-

bit, which so much infests the blue grass pastures of Kentucky, and which some farmers have vainly endeavored to estalicate by cutting once a year for thirty years in succession. Such nests are not to be exterminuted by cutting in the blo som or in the moon, but by the dint of seratched hands and swented faces. -You may have remarked the treedom of my farm from them, though a scattered one here and there shows the propensity of the and to produce them, and that my predecessors were industrious enough to raise their mon blackberries .- Westers Farmer and Gardener.

Consumption of Meat.

There are few things in the habits of Americans, which suite the foreign observer with more force, than the extravagent consumption of food-and more especially of meat. Truly we are a carmivorous poople. With all our outery about hard times, the quantity of provisions constanted in America would some port, in health, treble our population in Europe, vast consumption of meat is not on'y wasteful, but injurious to hould, and to activity, of body and wind.
The body it made of iron, would be anable to performall the functions imposed upon it at one time—expecially is it, we should suppose, without pretending to any seience on the subject, deleterious to cut men; suppers-or to eat a heavy meal immediately praceang any action of body and initial. How well this is proved by the expertite of the turk. Suppose a race to be made for a heavy sun, half forfeit, and on going into the suble, the trainer finds that although he is sure that his nog is the better horse, the groom has been bribed to give him n gallon of oats and water at pleasure, would be not at once withdraw, and pay forfeit sooner than encounter the un chainty of paying the full amount? May it not be averred that one half of the provisions consumed in this country might be saved with certainty of avoiding the numerous diseases that arise from plethora, impaired digestion, and disordered blood? Let the heads of any family ex nmine, and they will find that a substitution of bread and vegetables and milk for three fourths of the ment consumed, would be attended with economy and better health .- American Farmer.

Recipe for Muning French Honey.

Take six eggs, leaving out two whites, one pound of lonf sugar, n quarter of pound of butter, the juice of four lemons, and the rind of two grated; the sugar to he broken into small pieces, and the whole stewed over a slow fire until it becomes of the consistency of honey. It is very nice. A Subscriber.

Montgomery co., Pa., Nay, 1841.

Secretary The Control of the Control

in airy.

A person renders me services, and I write a letter of thanks, acknowledging the obligation. Who



ROTHESTER, JULY, 1811.

Our Aim and Expectations.

When the New Genesee Farmer was commenced, the publishers announced that they should san to make it the most useful and most extensively circulated agricultural paper in the country; and, although some may have thought this sayored a little of egotism, we are willing to repeat the assertion, and do so with an assurance of success immediately in prospect. It is unnecessary to mention here what our friends say respecting our labors thus far; we only wish at present, to inform our readers that such arrangements are now making as we have the atmost confidence will fully accomplish the objects named. Our circulation is now double what it was lest year, and we have good reason to believe that next year it will be double what it is this; or in other words, that we shall prince and circulate about 40,000 copies per month! Does sny one say "it can't be done ?" We reply, the word CAN'T is not in our cocabalary, and we expect, next month to make all this appear reasonable.

One word in the cars of our renders. The Please tell your friends and neighbors that we have now a supply of Vol. I and Vol. II. from the commence ment, but this will not be the case many months, and come will repent it if they do not subscribe soon. We have no time for stereotyping or reprinting back PUBLISHERS. numbers.

"Downing's Landscape Gardening. Adapted to North America, with a view to the Improcement of Country Residences, and with remarks on Rural Architecture.

It is with no little satisfaction that we announce to our readers the appearance of the above work, from the pen of our gifted friend, A. J. Downing, of Newburgh.

We have had opportunity but for a hasty glance at its contents; and wish our readers could have shared our enjoyment, and we may add, pride, as we looked over this truly elegant volume. The engravings are very creditable to our artists, and the quality of the paper, and the mechanical execution generally, leave nothing to be desired.

The arrangement appears to us very simple and jadicious, and so far as we have examined, his subject is treated in such a manner as to show a just conception of the wants and means of this, as distinguished from European countries. His motte is,

> "Insult not Nature with abserd expense, Nor spoil her simple charms by vain pretence. Weigh well the subject, he with caution bold, Profuse of genius, not profuse of gold."

But we must defer further notice until our next number, which we design to enrich with extracts from the work.

Acknowledgments.

Our sincere thanks are due to Mr. Charles Downing, of Newburgh, for a copy of his brother's beautiful work on Landscape Gardening, and a copy of Lindley's Theory of Horticulture, republished, with totes by Dr. Gray and A. J. Downing. More about see hereafter.

We are also indebted to Hon. H. L. Ellsworth, for eleveral paskages of seeds.

To Mr. James Greev, of Kent, England, for an interesting letter received some time since, and the initial report of the Nonnington Farmer's Club.

To some kind friends in London, for valuable English books and papers.

To Thomas Afflick, one of the editors of the Wesern Farmer and Gurdener, Cincinnati, for a copy of "Bee-breeding in the West," a small n anual, mtended as an accompaniment to the "Subtended lice hive," well estendated to increase the sweets of rural life.

To J. D. Bemis, Canandaigua, for several interesting papers, among them a catalogue of teacher and pupils of the Ontario Female Seminary, an institution which we are happy to know deserves, as well as receives, the liberal patronage of the community.

Scarcity of Fodder==Seasonable Hints.

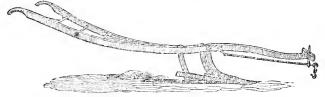
Farmers who "work it right," will of course take measures to provide sufficient food for their live stock the coming winter, and endeavor, as far as possible, to make up for the deficiency of hay and the failure of some other crops. It is not yet too late to sow miller -it produces both grain and fodder. Corn may also -Albany Culticator.

be sown now, broad east like oats, and will afford an abundance of the best of folder. IF See remarks on these subjects in another part of this paper.

Those who have not sown any root crops, or have lost them, should now sow rata bagas - just in timeand if they fail, sow English turnips about the middle or latter part of the month. Much time has been lost this season by the farmers and their crops, and both must now exert themselves to the utmost, or winter will find them unprepared. We advise our readers, therefore, to bestir themselves, and keep stirring, and above all to stir the ground often among their corn and other cultivated crops.

gales of Berkshires.

Mr. Lossing of this city, informs us, that he has recently sold his famous breeding sow Maxima, to Mr. Cund of Kentucky, for the handsome sum of \$500. The snimal is well known to breeders of Berkshire, as one of the largest of her kind in this country. Mr. Lossing has also sold his imported hom Newberry, to the same gentleman, for \$200. He was shipped a tew days since, and weighed, including cage, 850 lbs.



THE DEANSTON (SCOTCH) SUBSOIL PLOUGH.

The Subsoil Plough, we believe, is destined to effect a greater improvement in American agriculture than any other implement that has been invented or introduced of late years. We published last month, the remarks of Mr. Plumney on subsoil ploughing; and we now copy from the Furmers' Cabinet some additional observations on the subject, together with a representation of the Scotch Subsoil Plough. We have seen hese implements, both in Scotland and England. Those in the latter country were mostly of a hetter and more wieldy construction than the former; and we have no doubt but that a still better and cheaper article for the purpose will soon be unnufactured in this country. We intend to give representations of several models, in hopes to call forth the ingenuity, constructiveness and enterprise of some of our readers.

The Deauston Plough.

"The plough from whence the above drawing has been made, was brought to this country and deposited in the Franklin Institute by the late James Ronald on, Esq. It is a gigantic implement, measuring 12 fiet 6 inches in length, constructed throughout of wrought iron, weighing apwards of 300 lbs., and espable of rooting up stones of two hundred pounds weight; it is intended for a team of I or 6, or even aght horses or oxen, when it might be let down to the depth of the beam. But much of the soil of our country would be effectually worked with an instru ment of far less magnitude, constructed chiefly of wood and properly ironed, the sole or share, ir shably. being of cast iron; the length of the handles being in proportion to the weight of the plough to be imbed by ns of their leverage.

"Sub oil ploughing has formed in Europe—as it is destined to do in this and every other country-a new era in agriculture; it is applicable to all soils, at d even in the most sandy will be found of surverlative importance, preventing the disease called the stud in wheat, which is supposed to arise from a superabundance of moisture which cannot pass away, by reason of some impervious substratum, until it has chilled and deadened the roots of the plants and brought on a mortification of their sap-vessels: the disca-c is in some parts known as the stunts or stanned. It is understood that the subsoil plough does not turn the fur row-it passes along the open furrow made by the common plough, rooting up the bottom to any depth it might be put to, thus leaving it surred and pulver ized, to form a bed of loosened soil, into which the lower or tap roots of the plants might penetrate, when they will easily find moisture in seasons of the great est drought, and from whence it is pumped up by then for the supply of the lateral roots, which are destined to seek food in the upper stratum of the earth. The subsoil plough will be found, in many crass, to take the place of under-distantage especially if on plough-like place of under-distantage especially if on plough-like be permutted to ungo its use another year.

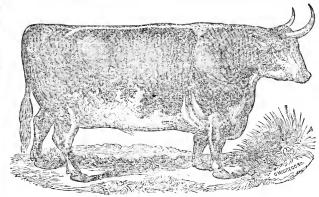
ing, the land can be laid to give a gradual fall throughout its whole length—a matter of the highest anportance in the cultivation of every soil,"

From the New England Farmer Subsoil Plough.

On Thursday last, we spent the afternoon in The work was on land which holding the plough. has been long pastured. The surface mossy, the ward tender, the soil light. The subsoil part oose and fine gravel and partly a yellow loom. we yoke of exen we ploughed one half an acre with Howard's plough E. 2, to the depth of 7 inches, and subsoiled with Howard's subsoil plough about 7 inches. We found that I0 inches of subsoiling, with which The stirwe commenced, would worry the team. ring of the earth to the depth of 12 or 14 inches, we thought that might be an improvement upon aballow ploughing. And where it can be done as cheaply as n this instance, the experiment is not costly. ase must not be taken as a fair instance of dispatch, for the furrows were 40 rods long upon a plain, and the ploughs were changed only 14 times in the half day. Ordinarily, where it is a day's work to break up an acre, it will take more than two days to break up and subsoil the same. In a few spots where the subsoil was slightly rocky, the subsoil plough appeared to be moved more casely by the team than any where

The extent to which the earth was stirred by this we implement, supprised us. The seven inch furnew implement, surprised us. The seven inch fur-row was senreely three inches deep after this plough and been passed under it.

We have strong faith that this instrument will come nto extensive use. It is true that no great reliance should be placed upon theories until confirmed by experiment; and we are not inclined to devote much pace to the praise of this implement the present seaon; but should our anticipations be fulfilled we hope



THE HEREPORD ON.

orrect representations of distinct breeds of cattle, ar more useful to farmers than portraits of living anis which do not serve the purpose of illustration. The Hereford is one of the aldest and most celebrated eds, and one which particularly interests the American farmer, owing to its entering so largely into the specition of our common mixed breed.

be above portrait, which we find in the Farmers' Cabinet, copied, we presume, from Low's illustras,) exhibits the true form and characteristics of the Hereford Ox in perfection.

IR. MARSHALL's description of this famous breed of cattle, is as follows:

The countenance, pleasant and open; the forchead broad; eye, full and lively; horns, bright, tupering, spreading; chest, deep; bosom, broad and projecting forwards; shoulder bone, thin, flit, and no way uberant in bone, but tall and orellow in flesh; bin, broad; bips, wide and level with the spine; quarters g and wide; rump, even with the general level of the brek; tail, slender; burrel, roomy, with ease throughout deep and well spread; ribs, broad and standing close and flat on the other surface, uning a smooth, even barrel, the bundar set large, and of full length; round bone, small and sang, and prominent; thigh, clean and regularly tapering; legs, upright and short, with bone below the knee small; k, large; twist, round and full; flesh everywhere, mellow, soft, and yielding pleasantly to the touch, essinly on the chine, shoul ler, and rib; hide, mellow and supple; cont, neatly haired, bright and silky; color, middle red, with bald face.

name rea, win man nee.

The breefers of these cattle would do well to preserve the old blood in as great a state of purity as possifor they possess one of the most valuable breeds of cattle in the world. The distinguishing qualities of , for they possess one of the most valuable breeds of cattle in the world. The distinguishing qualities of Hereford Ox are, the great produce of beef, queck feeding in proportion to their growth and size, with imonse strength and speed in labor. With respect to the most produbble return in quantity of beef, it may be sumed that no breed in Englan I can stand in competition with them, and they have accordingly been most cassful at the annual prozecatile shows, commanding the first prize, alive or dead. beastul at the annul presented and serves, communing the area prize, name or accan. A writer observes: Phis breed, so electrated for producing quant ty of beef, seems to combine all other described equalities—

19th, depth, substance, round ty, finencess, yet sufficiency of bone. Their origin is supposed to have been ross of the old Hereford and the Northern breef; and this opinion is strengthened by the remarks of a Heredahire breeder, who says, about S'years ag's, a Mr. Gellier, of the Grange, progued a bull from Yorkre with a white face, and wale horns, and head from him: the produce became fashionable, and actually d the foundation of the present famous breed—and hence the bald face of the Herefords, a breed which ipining beef and labor, standon the summit: they fatten speedily at an early age, and will live and grow where others would scarcely subsist. It is however, universally admitted, that as in Ike is they are interior the Devous and many other breeds, while compared with these, they are shorter in the leg, higher and otler and heavier in the chine, rounder and wider neross the hips, and better covered with lat; the thigh der and more mineralir, and the shoulders larger and coarser." The weight of Mr. Westcar's Herefordshire prize Ox, 2192 lbs. the four quarters.

THE NEW ENGLAND FARMER .- We mentioned ome months since, that ALLES PUTNAM and assumed he editorship of this old and respectable paper; but as thad failed reaching us for some weeks previous, we ould not speak of the effects of the change. Since ben however, it has arrived regularly, and we ought before now to have stated that Mr. Putann's adminisration has, in our opinion, wrought a decided improvement in its character. The following article on Haymaking is a fair specimen of the genuine furmer. style of Mr. P. We thank him for saving us the trou-

ble of writing an article on that subject for our readers. Hay Making.

Scythes .- Procure a good scythe for every man and hay on the farm, who is to do any thing at mowing. This work of cutting the grass is hard enough, with the best implement that can be made. And where the tool is poor, the work must be done either peorly or slowly - and in either case the farmer is losing more than the cost of furnishing a better instrument. He know not-(by the way, this term uce, I am tired of, and shall, when it so pleases me, use the more proper representation of the single self, I)—I know not that any one of the manufacturers of this article excels all others: some scythes from each factory are good, and

get a poor one, there is no economy in trying to wory through the senson with it; gnawing off your grass; hetting every five minutes; fretting your own body or that of your hired men; going to the grindstone very two hours;-these attendants upon a poor sevilie are such consumers of time, that it is better to throw the soft-or the brittle thing aside at once, and purchase another. As a general rule the scythe that rooks towards the point works better than the straight one—at least it is so in my hands. The cast off one-at least it is so in my hands. scythe should not be put into the hands of the boy who is learning to mow-he wants in his feebler and unpracticed hand, a sharper edge than is required by the Give him a good and a light tool, or else excuse him from this work.

Horse Rake. - The value of this implement for use on a farm of common inequalities of surface, and of common size, is often over-stated in the advertisements and pulls. But the actual worth of it justifies its purchase. We have used the revolving horse rake for four or five seasons, on a farm where two acres is perhaps the amount mowed per day: the raking up of the thick green morning's mowing in the latter part of the afternoon, is a fatiguing appendage to the previous hard work of the day. The old horse who has been in the pasture all day, and has nothing to do at present but kick flies, can greatly lighten and considera-bly shorten this labor: we generally save in time prob others are not so; -if you are unfortunate enough to solly from 15 to 60 minutes, and in strength more than

bult. This saying toward the close of the day, comes in very opportunely, and we would not part with the take for twice its cost.

To manage this instrument skilfully, requires some practice-but as soon as one gets a little accustomed to it, he can bey the winrows very well. On large farms its use must be more valuable than on small ones. Where given is mowed and ruled up, this rake is very convenient and comfortable; it takes all clean, and saves from lard land raking.

This instrument descryes more extensive use than

it has found hisherto.

Time of Catting .- Where grasses are not lodged, it is well to cut when they are fairly and fully in blossom; but to avoid browing some of them get far past this state before time can be found for securing, it is prudent to begin upon the more luxuriant fields be-fore they reach full blossom.

Caring .- In the ently part of the having season, while the gines is quite given, and much tore is required for curing, it is well to be busy in turning it up to wind and sun; help it along as fast as you can-but later in the season, if the weather be good, it will be sufficiently cured the day after mowing without much assistance.

Some little matters amount to considerable in the course of the senson; -in turning up hay, take the help of the wind; do this too in raking; -in raking after the cart, regard the course of the wind and the breetion in which the team will next move, and so arrange as not to be obliged to take the ground over twice. In this simple inher of inking after the cart, I have found "head work" as profitable as in any of the operations upon the farm.

Salt .- Hay that would be liable to heat and sour because not quite cured, may often be mowed away with safety, if a x to ten quarts of salt to the ton ato applied. The u.e of solt upon nearly all the hay as it goes into the barn may be wise. I am inclined to the belief that n farm in my neighbothood on which salt has been very freely used in that way, had been greatly improved by it; that is, I think the manure has been much more efficacious in consequence of the salt applied to the hay. At home we Ind no hay so palatable to the stock as that which is cut young, threefourths dried and well salted.

Clover .- This should be cared without much exosure to the sun. I can tell a story that goes to show that clover need not be so theroughly dried as many suppose. Last year, about the middle of June, wa mowed some very coarse clover, scattedly beginn to blossom, and as full of sap as clover ever was. The weather was cloudy and foggy for several days, so that but little progress was made in curing it; it continued heavy and green; after four or five days, and while the cocks were damp with fog we loaded it, because the indications of rain were strong. It was taken to the born, stowed away, and very thoroughly salted. In four or five days it was dripping wet and burning hot; in fifteen days it was mouldy: in December it was the hay preferred above all others in the barn by "old B. g Horn," a dainty cow that was destined for the shambles; every animal in the barn would devour it greedily—and this too, when most of the hay, and all the corn stalks in the barn had been anlt d;-the salt taste was no rarity.

Drinks.-The hay-maker must have a full supply of drink; perspiration will be free, and he must have something to support it. There is no danger from frequent drinking in the bottest weather. Take cold water as often and as freely as you please; there is no danger from it, if you have not been too long without Cold water is the best of all dranks for stacking thirst-it may be sweetened with molasses or with sugar; and if milk is taken with them, the drink is the most servicable we have ever found-furnishing nourishment while it slakes thirst. Rum and Cider, and their kindred spirits, me not to be admitted to the field of the prudent and worthy farmer. know they are not needed; I know they are not useful The boy will be cut and cured with more despatch and comfort, when true temperance practices prevnil, than where nlcohal intrudes.

None but the intemperate are injured by drinking cold water. It told that I know not the hardship c swinging the scythe, and the need a mun then has for the stimulus, I reply that I do know what it is to swing the scythe, and that on the very bottest day of 1840, I was mowing from half past four in the morning ull three in the afternoon, with the exception of time enough to eat, drink and grand the scythe; and neither then nor on any other day of the senson, did I re quire the use of any other drinks stronger than mile and water. And no man, after one month of temps perance, will ever require any thing stronger.

Asparagus.

An observant neighbor proposed to us, the other day, to recommend planting asparagus in a single row, each plant two feet apart. In beds, the plants crowd each other; and as if surrounded by weeds, send up more slender stems. These remarks agreed entirely with our own observations; for though we have been at the expense of making deep beds of the best materials, our finest appragra grows in common soil where the seed was accidentally dropped. In beds it is difficult to remove such seedlings as spring up, without injuring the roots of the older plants; but from a row this may be easily done; and all plants that intrude on them should be treated as weeds.

To raise the plants: Separate the seeds from the berries, and sow them in a bed late in the fall (not in the spring) covering them with fine earth half an inch deep. If put in rows, so that the hoe can pass between them the next season, they may be kept clear of weeds more conveniently; and when one year old, if they have he! plenty of room, they may be transplanted. One long row may be the best. And Le careful that not more than one plant is set in a place.

The cropping that asparagus endures, is very severe; and it seems reasonable that the plants should be strengthened by the growth of three years before they are molested. To cover the stools in the fall with stable manute, and to rake off the coarser parts in the spring, is an old and excellent practice: It protects them i. om the frost of winter and mainres them at the same time. Strewing salt over them liberally in the spring, also adds to their vicor.

In a few years, an asparagus plant, neither crowded on by others nor over-cropped, will form a stool from twelve to eighteen inches across.

Disease of Silk Worms.

The subject of Salk culture is assuming a degree of importance, which, in our opinion, justifies us in devoting to it considerable space. The passage of the law giving a bounty on Silk and Cocoons in this State, will induce many to engage in the business who have nut done so heretofore; and we shall endeavor to impart as much information on the subject as appears to us important and is consistent with justice to the majornty of our readers.

The following article is from the April No. of the Journal of the American Silk Society, a monthly publication by Cideon B. Smith, Baltimore, which ought to be taken by every person engaged in the Silk business. Price, \$2 per year.

IMPORTANT TO SILK GROWERS -- THE MUSCARPINE IN AMERICA.

Prehably the most important information it has ever fallen to the lot of the editor of the Silk Journal to communicate to the public, on the subject of Silk cul-ture in this country, will be found in the present article.

f It has long been known to every reader of publications on silk culture, that by the ravages of a disease called muscardine in Europe, the average loss or wirms, taking one year with another, amounted to 45 to 50 per cent, of all that were hatched, and this too, after the greater portion of the expense of reming had This evil has been continued from been incurred. time beyond the reach of history, till within a year or two past. In the United States all of us have heretofore considered our worms exempt from this fatal discase; as it has generally been supposed that it did not exist here at all. This was a fatal delusion. We have just received from France a copy of the "Annales de la Societe Sericicole, fondee en 1836, pour l'amelioration ei la propagation de l'industree de la Soie en France," for 1837, 1838 and 1839, in onc of the volumes of which we find a most excellent plate representing silk worms in the various stages of the muscardine, the first glance at which showed us that it was the identical disease of which a great portion of the silk worms in this country have perished. who saw the disease last year and have seen this plate,

identify the disease instantly. We shall endeavor to ing the hurdles. We have ourselves years ago have translations made for our next number, descriptive of the disease, and it possible—if we can get the means—publish the plate also. In the meantine, bowever, we have thought it advisable to take this hasty notice of the fact, that all silk growers may be combled to apply the remedy. Happily the remedy will do no harm, whether the worms are affected with the muscardine or not; nor will it inime the worms even if they are perfectly health to a they have other disenses. The remedy is the free application of air-slacked line to the worms, and also over the floors of the coroonery, and white rashing all the wood-work of the fixtures. The lime should be sifted through a fine sieve on the worms two or three times a week if be differ, and once a day if diseased, in the morning before the first feeding, and always after cleaning the hurdles. The quantity of lime to be safted on the worms may be just sufficient to what a the worms and leaves well. This remedy has during the two past years enabled those persons in France who have need it, to save and obtain cocoons from 97 per cent. of all the worms batched.

Now that we know the disease that has done as so much injury, and also know the remedy, the fatter should be applied; and as there are very h w, if any, who yet know the disease by sight, we would most carnestly recommend that the remedy be applied in ALL CASES, whether the worms be sickly or not, as a PREVENTIVE, for it is even more effectual as a preventive, than as a remedy, and, as before stated, will do no larra to either healthy worms or those affected with other diseases. It must be borne in mind that this is a contagious disease, and if but a single worm be uffected by it, the discase specially spreads among the others, until all or a large portion of them are destroyed. The Franch have discovered that the disease consists of a fungus growth, somerlang like mildew, or mould on cheese, scarcely discernable to the naked eye, but perfectly developed by the microscope. The fangus is propagated with great rapiditymuch so that from the small speck on a single worm it will spread over a whole cocoonery in a very few days. It generally attacks the worms after a fourth moulting, and when not arrested, carries off the greater pordon of them. Sprinkling the worms with slaked lime, however, effectually prevents the disease, and will care all the worms in which it has not made too great an impression.

We have already been asked how this discovery corresponds with our New Theory, in relation to retard ing the backing of the eggs, and maticipate further questioning on that point. In our opinion, it is perfeetly consistent with the principles contented by the Theory. Retaiding the hatching of the eggs beyond the natural period, the New Theory says, weakocyclia the manufacture of the roung worms, and predis-poles the constitution of the roung worms, and predis-poles them to disease. The present discovery points out the particular disease thus induced, or at least, one of them, and that the most formidable. Let the eggs be hatched at the natural period, that is chout the time in 1841 that their parents were batched in 1840, and then the constitut one of the worms will not be debilimted or vinated by the nanatural process of retarding. By this means we shall usher the young ones into the world with good cound constitutions, subject to no other disease than those they may conunct from contagion or had treatment. By this discovery, therefore, we have only found out the name and nature, and means of prevention and cure of a disease we have all along had amongst us. It must not be considered in the light of a new calamity that threatens us; but rather a the discovery of the means of averting one that ch. ady afflicts us. It is fortunate that this invaluable information has reached us at this particular moment-just in time to be of immense service to us in this our day of ordeal.

It must not be supposed that the above remedy is alone to be depended upon or that the application of lime as above directed, and for the purpose specified, will authorize the omission of the usual precautions and attention to cleanliness, ven lation, &c. On the contrary, the strictest attention to cleaning the hurdles, removing rubbish, parifying the air by ventila-tion, &c. must be observed at all times. Every worm found on the burdles in a sickly condition or dead, should be immediately removed. We have never seen any valuable result from a sirely worm, and would therefore recommend that all such be removed to a distance and destroyed. Some of the French silk rowere have hospitals for the reception of such inralids as afford any hope of recovery; but we think it is better economy to get rid of de m at once.

We hear occasionally of fixures being contrived for rearing the worms upon, that save the trouble of clean-

ued such a plan, and with success too. But the danger in all such, which must not be overloo' ed disease occur among the worms, the sick are apt concealed by the accumulating rubbish and brane and dying in their concealment, the first notice we have of the existence of disease to any considerable tent, will be the offensive odour evolved by the worms; and very probably a rapid spread of contr among the healthy worms. In feeding with hra es, therefore, we should clear the hurdles just as o and as necessarily, as when feeding with picked ler

That no one may be misled by the remarks in article on the unacardine and its preventive, by use of lime, it seems necessary to say, that several er diseases affect silk worms, and many worms destroyed last summer by other diseases. It must therefore, be taken for granted that the applicatio lime is to prevent and cure every disease, though believe it will act as a preventive of most of the when accompanied by other necessary and pr treatment. If from any cause the work as bave ad utated and sickly constitution, they will be liable to rious diseases, and the proper preventives will be above, viz: cleanliness, thorough ventilation, the of lime, &c. We most 'culy believe that the i oblic source of all ine diseases of silk worms summer, was the retarding of the batching of the e The worms we're weakly in consequence of it, thence more puble to be affected by the various e ting causes of discuse, than they would have been they possessed robust constitutions. We believe the muscardine may be, and probably is, gener generated by this very process in this country. French say it is caused by a fungus growth, which gus is a vegetable of an inferior order, and produces its own seeds. The inference then is that it canno produced in the absence of its seed. But we kt that the mould of bread, cheese, &c. is also of the st order of vegetable growth, and that it is produced any time when the temperature of the weather is faable to it; and hence we infer, not that it is a spor neous production, but that its seeds always perrade substances in which the growth is found, and are c prevented from growing by the non-concurrence of circumstances accessary to their growth. Time, h temperature and moisture, are the circumstances ! are generally required to concur in the production mould, mildew, &c. Take away either, and neit mould nor mildew will be produced.

One remark more seems appropriate here. (climate is unquestionably more favorable for a worms than that of any part of Europe : and it is p icularly - in regard to the museardine. The extre dryness of our atmosphere, compared with that of a part of Europe, is notorious; and it was this fact t induced the universal belief that the muscaidine not prevail here. But although our atmosphere comparatively dry, the sir in our cellars and ice-he ses and cocooneries is not always so. The keeping eggs in damp cellars and icc-houses, wherein the bave become mouldy or mildewed, and especially wi kept there for a long time and beyond the natural ti for batching, may very well be considered capable developing the tungus growth constituting the diser called muscardine; and unless we take care to ave such, it will be in vain to expect our climate to prot us against the consequences. G. B. S.

Libing Bees.

I have practiced two methods of securing no swarms of bees when they leave the old hive, both which I think preferable to the old fashioned way rattling all the old tin pane and sleigh bells in the neig horhood, until the swarm settles, and then brush the topsyturvy into the hive. My first method is this: as the season for swarming approaches, I cut an ove green, such as fir or spruce, about six or eight fe high, and trim off all the branches on one side clor to the tree so that it may be laid flat on the grounthe lower end, or butt, is sharpened like a stake st set in a hole made by an iron bar in the ground abou ten or fifteen feet in front of the hives. Swarm. wi very seldom seek any other resting place, when a bas like the above is at hand. When a swarm leaves th hive I say nothing, but stand and look on, until the become still and quiet on the hush. I then carciall raise the bush from the hole, and lay it fiat on the ground, and place the hive over them. If the limit on the upper side interfere, I press the hive down an lay a stone or some heavy substance on to keep it i its proper place, till the swarm takes possession which is generally in ten or fifteen minutes. In thi way I have never lost a swarm, gand have frequently

a swarm and removed them to the bee house suitable places will be assigned for exhibiting caule, ig the old hives in one hour from the time of their

ag the hive.

other way is as simple, and no far as I have it, equally sure. I take a board wide enough in the centre, and drive in a pin, one or two mehdiameter, and eight or ten mebes long; I then cords and fasten the end of each to the two small ers of the board so that they form a loop at each of the board about two or three feet leng; this d thus prepared I suspend from two stakes in t of the hives, with the pin pointing downwards, ng care that the stakes slope towards each other so the board may not touch at the end, around this the bees will cluster, and when they get still, unthe cord from the stakes, turn the board ever fully, lay it on the ground and set the have over it, his way much time and trouble may be saved, or a is no need of watching for awarms, only prosuch resting places, and there you will find them. we left a swarm suspended under the board as last stioned, the each the day and found them safe in evening, and hived them after the other labor of day was past. I think on the whole this method they seem more contented under cover he board than when more exposed, and not so likeo take wing before they are hived .- Mechanic and mer. J. R. M.

Circular.

the Agriculturists, Manufacturers, Mechanics and Artizans of the United States.

The American Institue of the city of New York re directed us, the Trustees, to announce to the pub that the Fourteenth Annual Fair will be held s city, in the early part of October next. The ne snd place, with a variety of details, will be ide known and published by the Managers as soon convenient, after their organization shall be per-This Institute was established and incorpoed by the Legislature of the State of New York, promote domestic industry and improvements in e United States. o United States. Among the mea. 3 suggested in a charter, are public exhibitions of meritorious proctions, and rewards for such as at a most deserving. Thirteen Great Annual Pairs have already been id. Their beneficial effects in exciting emulation we been seen and directly felt in more than half the stes of the Union.

The popularity of these exhibitions, the extended id intense competition they have excited, is without precadent. More than one hundred thousand visirs have been admitted, and more than fifteen thound specimens of domestic products have been exhibi-

d at a single suniversary.

A Repository for the daily exhibition of imprezents, and a Library, of great utility for process urposes, have both been established by this limitate, nd have been open for years free of expense to con-ibutors and visitors. Five ploughing exhibitions are been held on fields in the vicinity of New York; nd many eloquent addresses, instructive lectures, nd able reports, have been made on different occaions, all having a bearing on productive industry. The amount of gratuitons labor bestowed by the

conductors of this Institute in fourteen years, it is beieved, is without a parallel in the history of our pubie institutions. Hitherto the Institute has been susnined by voluntary contributions, unnided by city or State bounties. Impressed with these ideas, the Legslature, in a law just passed, intended for the promo-ion of "Agriculture and Household Manufactures," anve wisely included the American Institute, and on certain conditions appropriated to it nine hundred and fifty dollars per annum for five years, requiring premiums to be awarded as suitable means for accomplishing the objects of this enactment. In addition to the pecuniary aid contemplated by this act, which is timely, and will enable us to extend our premiums, it is a public testimonial of the high consideration maintained by the Institute in the opinion of our Legislature. The confidence reposed in the Institute is in the highest degree honorable to its conductors, making it thereby the direct agent to carry into effect a law important in its future effects, and expressly enacted to encourage the great and paramount interests of agriculture, which supplies not only the principal materials on which all other labor is employed, but also affords sustenance to the whole human race.

Accommodations will be provided at the Fourteenth Fair for the exhibition of every kind of agricultural and hort-cultural productions, for machines and implements, and steam power and engines. Separate and

horses, sheep, swine and other firming stock. best productions of the margin cory and the work shop, including woolen, cotton, silk and linen fabrics, will have then appropriate rooms. Unlort-saving inschangey will not only be examined by competent judges, but also tested by steam power. All new and useful labor-saying inventions will command atontion, and probleity given to their ments. Purchasers will have the best possible opportunity to examine, compare, and select such articles as they may wish. Gold and silver medals, silver curs, drolomas, as well as rewards in money, will be bestowed on those most The appropriation will enable the manadeserving. gers more liberally than heretofore, to reward industry generally, and we as particularly featale industry, for ingenious fabrics of nousehold manufactory.

On behalf of this factitute, we would care addy invoke the parente and exertions of prosperous and intelligent agriculturists, to comble us t fulfil the expectations of the Legislature. In its wisdom it has aid the foundation of great and lasting good to the State. But much of the state as and popularity of the law to encourage agriculture will depend on the American Institute. Its position in the city of New York is of all others the most favorable. There will always be in this great emporium choice spirits, and such as know well the inestimable value of agriculture, and who are able and willing to aid my and all great and beneficial objects. The whole island is surrounded with fertile and highly cultivated tarms and gardens, extending into the interior, which bring their supplies daily to our numerous markets, to meet the vast demands of city consumption. A large proportion of all the farming and gardening implements used in this and the adjoining States is supplied from this city; and with the facilities of conveyance by horses and by steam, by land and by water, it would seem to be the chosen place for agriculture and horticulture to present their fairest and best contributions, and the radiating point from which the knowledge of improvements may be readily made to flow to every portion of our country.

In conclusion we would also respectfully appeal to all the multiplied interests of industry and art to make their contributions of the best specimens, that the miniature view may be presented of the skill, the genos, and the ample resources of our country at the coming anniversary and to the public at large, whose countenance and cheering approbation has uniformly attended all our undertakings for more than thirteen years, and to whose favor this Institute owes its existence, we appeal with un maiified confidence, and, at the same time, with a strong desire for the special and best influences of our fellow citizens, at this time, to mable us triumphantly to carry out the coming exhi-

tion, and discharge the obligation conferred by the ent legislative grant. By the kind aid which the ublic can confer, and with the means provided, a ne v monlee may be given to agricultural improvements, and to invention and the arts, over our whole State; other States, some of which are behind, will thereby be induced to profit by our example, and thus the l nign influence of liberal legislation will be exemplified in every section of our wide spread country.

Repository of the American Institute,

New York, May, 1841. James Talimange, ADONIRAM CHANDLER, WILLIAM INGLIS, JOHN TRAVERS, Trustees. ALEX. J. HAMILTON, T. B. WAEEMAN, JOSEPH TITCOMS.

For the New Genesee Farmer. Fence Posts Heaving by Frost.

GENTLEMEN-Can you inform me how posts should be placed in the ground so as to prevent their heaving by the frost? My land is clayey, and a good fence in the fall becomes a poor one by the next spring. Should the holes be very deep and closely filled up, or left loose at the top?

Utica, June, 1841.

Posts set in clayey ground, if surrounded by the soil removed in digging the bole, will be thrown upwards by frost, in spite of any precaution we know of. But where they are put in a gravelly and not tenscious soil, they rarely, if ever, heave in winter. Nor do they in a clayey soil, if the holes about them

me filled with small or broken stone closely besten in, Possibly other materials would accomplish the same end, though we have no experience on the subject. Deep and firm setting, is of course necessary,

Fat Catile.

Since taking charge of the Seystone, we have observed a very large number of fat cartle passing our office daily for the eastern market, and have made in-quires as the probable number. Through the politequires as the probable number. Through the politeness of Mr. Kulms, the tell collector at the Western end of the Harrisburg bridge, we have ascertained hat from the 15th of April to the 17th of June, there have passed over said bridge, costward, seven thousand eight hundred and fifteen head of fat cattle. Add to this three hundred which were combled to ford the river vesterday and to day, and there has passed through Harr burgh for the eastern market, cight thousand one handred and fifteen beed of cattle. These cattle, we understand, will bring upon an average \$55 per head, making them, in the aggregate, worth \$ 149,325. - Keystone.

Proper Season for Cutting Chain.

It is a good practice to cut every kind of grain rathor before it is fully ripe in the grain or the snaws. In a fine season, some farmers cut their crops when they find the neck of the snaw immediately under the ar, free of juice when twisted round between the finger and thumb, and do not wait until the lower part of the stems are dry and yellow, because they find in such a senson the straw to de from the ear downward. In a bad season, on the other hand, the lower part of the stem first becomes yellow and dry; after of course, the crop is not allowed to stand, for in such a senson the cur never becomes mature, having less absorptive power, whilst the vitality of the root is early destroyed by the combined effects of bad weather and an ungenial state of the soil .- Quarterly Journul of Agriculture.

From the Farmers' Caliret.

Application of Lime to Scils. Read before the Philadelphia Society for Promoting Agriculture, April 7, 1841.

Lime has long been regarded by farmers in certain sections of our country, and cultivating districts, as a most valuable agent. Stiff and tenacions seeks are greatly benefited by its application, as is admitted by all who cultivate them. Whether the viscus chemical influences which have been assigned to its presonce, are really those which constitute its virtue, I shall not mauire in this rasay : I propose merely submit some views that have occurred to me, which the plain practical farmer can fully appreciate, without the aid of chemistry or science, or their techni-

Clays and red shell soils are compact and tenacions, and are then fore greatly benefitted by an admixture of lime, as they are rendered more inclow or triable by its application; the color of the soil is also changed to a dark brown, and has a rich oily appearance. These combined influences give it a greater capacity for imbibing heat from the action of the sun, and this additional heat communicates an increased vegetative power; pesides, the improved friability or mellowness of the soil gives greater facil ties to the fibrous roots of plants to shoot further into it, and hence they obtain a larger supply of nourishment or food. Its capacity for absorbing moisture is also greatly increased, because, for the reasons above stated, the plastic properties of a stiff soil are removed, and moisture, either from rain or dow, is more treely admitted and absorb ed; and having penetrated deeper into the soil, is retained, as if by a sponge, for a longer period. Farmers who are familiar with stiff soils, know full well that they will not admit heat nor absorb moisture so readily as those which are lighter, and the latter do not bake and become so hard and dry as the formerbesides, a purely clay soil is always cold at a short disinnce below the surface.

Such soils, so improved, have increased capacity for imbibing heat from the action of the sun by day; and this heat is maintained for a longer period at night; and hence, a protracted evaporation or emission of heat is secured, which, acting upon the cool atmosphere of night, produces a greater amount of dew. The seil is therefore rendered capable of creating a larger supply of moisture of including more heat, and of receiving and retaining these agents of vegetation alternately, for a more protracted period. Dews me occasioned by a cool atmosphere coming in contact with the exhalations from the heated carth, or particles: the dew-drop of evening in first seen upon a blade of grass at its highest point.

Heat and moisture are neces-ary to vegetation, and the more you can obtain of these agents for your plants, the more vigorously will vegetation be ta ned. Lone, when applied to a still soil, renders it more friable, porous or mellow, and it becomes more easy to cultivate: the plough does not meet with the same resis ance; the roots of the grass and weeds are more easily separated from the soil, and may therefore be more readily destroyed, and a thorough tillage or pulverization of the land is thereby greatly facilitated. Besides, we find that vegetation is most vigorous where the soil is adapted to secure the largest amount of these supplies: and consequently that soil which by nature or cultivation is capable of imbibing and retaining the largest amount of these indispensable elements, has the greatest capacity for producing vegeta A sandy soil appears too porous to retain heat at night, to promote to any important extent a condensation of the arm sphere, and thus supply itself with sufficient measure from dew-besides, it is too readily drained; while a clay or compact soil becomes indurated upon its surface, and heat from the sun cannot sufficiently penetrate it to be available for a like purpose; but when these are properly mixed and combased with other earths, such as lame, marl, or with minute, the soil opens its pores to receive the invigorating influence of the sun during the day, and night the heated exhalations escaping from it, producing a greater amount of dew, supply the plants, nestled in its bosom, with necessary moisture from the pure and bounteous fountains of the atmosphere,

Some farmers think that lime is imprious to wheat land-that it makes the soil cold, and that their lands, when dressed with it, are more apt to produce mildewed grain than they were before it was applied. That this, in many instances, has appeared to be so, I do not doubt, because the soil, by its application, is rendered more productive, and therefore we have more grass, which, under our present system of sowing grass seed with wheat, is injurious to the companies of the have consended in a former paper. Tall, in his exgrass send with wheat, is injurious to that crop, as I doubtless originally a native of a hot country, it requires by ite constitution a consulerable degree of heat to bring it to perfection; and if much of that degree of hear is wanting, it will be the weaker, and when the solar rays cannot reach the lower parts of the stalks, the lowest leaves and knots cannot do their and hence the maturity of the plant is protracted, because "the lower parts of the stalks must receive the greater share of beat, being nearer the point of incidence of the sambeanis reflected by the ground." Being deprived of this genial and necessary heat, since it is shaded near the roots by grass, and being imbedded in too moist and cold a soil, it has not the power of elaborating its sap or evaporating its fluids, and is therefore clow in ripening; and hence the ero becoming diseased, is frequently destroyed by mildew.

In the application of lime to land, much care and close observation is required, to produce the best results. The farmer should not be too generous: he sho id not forget that hime and earth constitute morand therefore his care should be only to apply so much to his soil, if light, as will render at sufficiently compact to retain moisure and heat; for a sandy soil is composed of spherical particles, and is too readily ventilated and drained of its moisture, and being mixed with hime, the interstices being closed, the soil is greatly improved. After several years of experience and careful observation, I am convinced that lime, when applied to a sandy soil, renders it more compact and much more productive; and that mannie, when applied to it after a dressing of line, will have a much more lasting influence than it would have had before its application. Upon heavy soils, lime should be applied only in such proportions as will render it most mellow or friable: any thing beyond this, will be found to be injurious. It is not maurial, as I apprehend, whether it he not on in a hot or cald state hecause it is soon couled under the atmospheric influence after being slaked, and cannot be ploughed in after h my shread before it becomes chilled. pl, it in the spring, when preparing for corn, the working of which, and the preparation of the land for

to sequent crops, thoroughly mix it with the soil. obtain the lime when ready to apply it, have it placed in a situation convenient for water, where it is immeduately slaked; and as it falls, it is carted out and aprend upon the land previously ploughed, which, after

vice verea, and better a condensation of the aqueous applied it in other ways, but the results were never so antislactory.

I have been told by some farmers, that the greatest benefits from the use of lime on their land are exhibited in about seven years after its application; some any in four years; some contind that they have seen its effects the second year, and others say that they never saw any effect whatever from its application, although they put it on in generous quantities. Now, I verily believe all these statements to be true, and I account for this singular anomaly in the following manner. In the latter instance, the lime was ploughed in so deep that it was never mixed with the soil, and therefore produced no effect; and in the former, the admixture took place probably in one, four, or seven yea safter it was applied. In some cases, it is said, land has been injured by it. I am inclined to believe that in those cases the farmer has been too generous, and would recommend as a corrective, that he plough deeper, and thereby mix more earth with his line. He will thence have the advantage of a deeper soil. As the quantity best adopted to improve most soils. I would recommend from forty to fifty bushels unslaked to the acre I have found excellent results on sandy, clayey, and loamy soils, from the application of that quantity. As I have never farmed limestone or red shell soils, I cannot advise respecting

I therefore repeat, mix your soil well with the lime which you may put upon it-pulverizent thoroughlydestroy all natural vegetation, if you wish to raise natural zed crops-exercise a sound judgment as to time and method, and you will seldom have reason to complain, in this part of Pennsylvania, at least, either of an ungrateful soil, or an untavoiable climat

KENDERTON SMITH.

The Flowers of Summer.

In writing our sketches of the flower garden, we have not had leisure to examine what we said in our first rolume on the same subjects; and possibly some things may be repeated.

Famia is a splendid genus, and 17 species were known in 1029. The single flowers are gone in a few days, but the double are more durable. The earliest kind that we have seen is P. tennifolia, which spreads through the ground, and in a few years forms a stool of several feet in drameter-flowers single, of the brightest crimson

Soon after appears P. moutan, a shrub from Chins. growing to the height of three feet in England, and attaining the same stature in this climate. A well grown "tree" (for so it is called) may be three feet or more across, presenting a magnificent display in all its varieties that have come under our notice, though the flowers vary in color. It is hardy, and starts to grow very early in the spring.

P. officinalis was introduced from Switzerland in 1548, and has spread into some fine varieties. The double sorts are the common crimson, the rosy, and the whitish, or the albicans. Sabines crimson is one of the finest of the single sorts.

This plant and P. corallina are the only two species credited to Europe, the eastern side of that continent having furnished most of the species. P. albiflora (called the Chinese) though berbaccous, sometimes attains the height of 4 feet, and is very showy. Four double varieties of this species are now blooming in our garden, viz: Hamei, Whitleii, tragtons, and Reevesir-the last, a blash color, fading after it opens. This species grows freely from seeds, springing up in many parts of the garden, but requiring several years to bring them into bloom.

The glutinous locust (Robinia viscosa) produces its pink flowers in abundance; and but few trees are more ornamental. It increases sofficiently from its horizontal roots. It is a native of the Southern States. though hardy here; and is classed with timber trees, sometimes growing 40 feet high, according to Elliott, In this northern land, however, it has the habit of a shrub-10 or 15 feet high.

taller than P. coronarius, though Loudon only ma ed it 3 feet high! The flowers are also much lar, and whiter, but scarcely so fragrant. The vari called "double flowering," has not a tenth of its flo ers double. Another called "nanus" is hardly wo cultivating. Both these varieties belong to P. co narius, which is a native of Europe.

The flowering ash (Ornus europæa) at the heiof 5 feet bloomed with us this season for the fi time. The flowers are white, very small, and gre in panicles.

The Iris is finely represented in this month. large kind with light blue flowers, is remarkable its delicacy; and appears to be a variety of I germa ca. Four tall sorts with yellow flowers also shine o While most of the species exhibit their blossoms ec spicuously on their summits, one called the blue Ri sian, hangs its flag half mast high-down among t leaves. Two bulbons species from Spain (the Spa ish and the English) have run into many varietiesof each kind have been advertised; but though sor of the Spanish Iris, are beautiful, others have a lur or dingy aspect, and are not worthy of enlitvatio All the sorts that we have seen of the English I however, are splendid.

Wistaria speciosa, a twining shrub, with blue pu ple flowers in dense racemes, is a native of the Sout but endures our winters. It deserves a place amor fine plants.

Spiraa uruncus, 4 feet high, is very showy; f though its white flowers are small, they are ve sbundant Ita inflorescence is also singular. In o opinion, it is finer than any herbaceous species fro the eastern continent; and a worthy congener of t American variety of S. lobata.

Drucoccphalum wyschianum resembles the Hysso but its flowers are a fine rich blue. It is an old i habitent of the gardens.

Jasminum humile is the only species of the gen that succeeds here in the open border. It is al sometimes damaged by the winter; but when the frosts are not very severe, its yellow star-like flowe make a pleasing display in the following scason. is probably a native of Italy.

We have two varieties of Chionanthus virginica now in flower both nearly of the same age, but tl broad leaved kind is the taller, with fewer blessom The narrow leaved variety is loaded with bloom. Th is the white Fringe Tree.

The fine purple flowers of Verbuscum purpureur may be seen by early risers, but they begin to shriv as soon as the sun shines out with power.

For Lilies, Pinks, Roses, &c. see New Genesc Farmer Vol. 1.

Spurious Ruta Baga Seed.

MESSES. EDITORS-Last season one of our mer chants bought a quantity of ruta baga seed, and sold : out to a number of farmers in this vicinity. It came u well, and the plants appeared like genuine till after thsecond boeing, when the roots were about as largas a man's finger, the tops then all branched out and run up to seed; so that the crops were an entire fail ure, much to the disappointment end loss of the

On inquiry, it was ascertained that the seed was raised from small ruta bagas, and was surrounded or mixed with mustard when growing.

Now, I wish to ask whether the mustard caused the degeneracy of the ruta baga seed, and if not, what did ? If you, or your correspondents can explain this matter, it may be of service to others. We farmers are, at best, slow enough to adopt any new article or Philadelphus. This genus of six or eight species, system of cultivation; and when failure or disappointbeing harrowed, is struck out and planted. I have produces only white flowers. P. hirotetus is much ment occurs, it often tends to check, if not entirely

ent, the introduction of valuable improvements. e of those who sowed the above seed, had never apted growing ruta bagas before; and this fuilure liscouraged them so that they will not try again Respectfully yours.

ERASTUS SKINNER.

rattsburgh, N. Y., June 18, 1811.

emarks-Several instances of disappointment, lar to the above, have come under our observation. ain ten years past; and we have taken some pains secritain their cause, although we have not always peeded to our own satisfaction. The different nes of the genna Brassica, including the whole bage and Turniy family, not only mix with cach r very readily, but are very hable to degenerate n want of care in raising the seed, or other uninable encumstances. In reference to the case mened by our correspondent, we do not think the stard was the cause of the evil, although we do say it might not have been. Mustard (Sinapsis) onsidered by the botanists, a different genus from ruta baga; but it is of the same untural family, and re such evident marks of relationship that it is more n probable they will mix, when in blossom togeth-But if this had been the cause of the difficulty, plants would not all have run up to seed uniform-

We therefore conclude that the true cause was other one alluded to-namely, degeneracy. It is ted that the seed was raised from small roots-peris from a crop that was not worth harvesting, and refore left in the ground over winter, and allowed go to seed-and it is not certain that the process of reneration had not been in operation several years. all events, it is well known that the greatest care necessary in raising all kinds of turnip seeds, as Il as that it be raised under favorable circumstans; and no more care is usually bestowed on this buess in England, together with a more favorable mate, it is generally found that imported seed proces better roots than that raised in this country.

ie Weather == the Crops == Harvest Prospects. The longest and most severe season of drought ever own before horvest in this section of country, has en experienced this sesson, and we believe the me may be said of most parts of the United States d Canada For about six weeks, scarcely enough in fell in this vicinity to moisten the surface of the rth, or to encourage the hearts of its cultivators. ist one week ago, however, there commenced a sucssion of the most fruitful showers that can be imined; and all nature now rejoices under their revivg influence. About 10 days since, we passed over part of this and several of the adjoining counties. id it was truly melancholy to witness the suffering tops, and to hear the mournful complaints of the rmers. And truly many crops have suffered, past covery. Grass, of course, is very light. Onts and arley the same. Coin that was planted early, and n rather moist soil, looks well, but some pieces are ntire failures. Wheat is generally light, and must ill somewhat short of an average crop, although te think it will be better than many have represented. 'otatoes came up slowly, and are very backward, but here is still time for them to recover. Beet and corot seeds, sown early, have mostly done well, but hose sown later have generally failed, as is always the esse in dry weather.

The latest accounts from other parts of the country, orm a cheering contrast with those received two weeks 120.

"The New York Express states, on the authority of personal observation during an extensive tour, in the most productive parts of New Jersey and Pennsylvania, that the appearance of the fields of wheat, the and sats, promises an abundant harvest."

"The Richmond (Vitginin) Star says-A great deal of wheat has been cut, and we rejoice to understand, is of a very promising character. Indeed the harvest promises well. The probability is, that flour, the great staple will be very low during the coming year-and that is no slight comfort to poor people,'

"The Albany Morning Atlas says: - the crops throughout the country, generally, are represented as promising. Though in some parts we notice there niny be a falling off, yet the average will be a good

The Fort Wayne (Indiana) Sentinel says:-"The season here has been remarkably backward, but crops are now coming on finely. Wheat never bid more for for an abundant harvest. Onto and grass are equally promising. Corn is more backward, owing to the wet and cold weather about planting time. Some did not come up well, but we have had fine weather for several days, and it has grown astonish-

WHEAT PROSPECTS .- We have the most flattering accounts from all portions of our country, of the prospect of a plentiful harvest. An unusual quantity of wheat was sown last fall, and its appearance now indicates a great yield .- Huron (Olio) Adv.

The Painesville (Ohio) Telegraph, of a Inte date,

"Farmers may now obtain seventy-five cents cash, for wheat, in our streets. For Onte, 25 cents; potntoes, 16 cents.

These advanced and advancing prices, and sales for eash, are encouraging to our farmers, and inspire all The prospect now with Iresh hopes of better times. is, that notwithstanding former fears, the present will

be a season of great abundance "
The Crops.—The Germantown (Pa.) Telegraph says: - "Our farmers have begun in earnest their havmaking, though much of the grass appears, from the backwardness of the spring, to be yet growing. crop generally, is as good as in any ordinary season; and should the weather enable it to be housed without really is here, will be equal to the demand of the customary prices."

The accounts from the western portion of Maryland The accounts from the western portion of accounts from the western portion of account from the decidedly favorable to the growing crops. In Frederick they had refreshing rains last week Inst Umontown (Pa.) Democrat had a paragraph complaining of the drought, but its complaint was cut short by copious rains which commenced falling or Monday.

The Savannah Republican has intelligence from the interior of Georgia, that the promise of the coming corn crop. now considered as half secure—is good, the wheat in Upson county, where the barvest is commeneing, very good, the cotton crop, rather poorly for the present.

The (New Haven, Con.) Farmers Gazette, of June 25, ваув:-

"If fine weather, and an abundance of it, can have beneficial effect on the crops, there is reason to beheve that our farmers will this year have no cause of complaint. The frequent and copious showers of the past week have had a most happy effect on the vege-tation of this neighborhood, and dissipated the frans of those who have been disposed to distrust the goodness of Him who has promised that the earth shall yield food sufficient for man and beast. We are told that in consequence of the min of one day last week, the price of hay was reduced two dollars. Except in some upland mendows where the drought was particularly severe, it is supposed that the crop of hay in this vicinity will be as heavy as an average of several years post.

Sowing Corn for Fodder.

The severity of the drought at the present time, threatens to diminish greatly the crop of mowing grass the present season. Red clover is now putting forth its full bloom, while the stalk is not more than ten or twelve inches high, instead of twenty-four inches, which it ought to be The fox tail, or timothy as it is generally termed, is now shooting out its head, while the stalk, on dry soils, is scarcely a foot high, when in invorable sessons it would be two and a half feet. There is great reason, I think, to apprehend that the crop of mowing grass will be diminished one half .-The season is so far odvanced, that moderate rains, even now, could not, I think, retrieve the erop.

To the farmer who has a large stock to sustain through another winter senson, and whose calculations for a competent supply of food for them, are based on the certainty of a good, fair, average crop of mowing grass, the present prospect. I think, must cause much

auxiety; and should the drought continue, even a bitle longer, it may also seriously affect our root culture In this state of things, I consider it an act of prudence to look about us, and see what remedial measures, if ERV, WC can resort to.

In the course of my experience I have known occasionally just such a state of things. I have known not only just such, but much more pressing necessities to exist; and the best remedial course I have ever pursued, has been to sow a crop of corn, broad east, as soon as the deficiency of the hay crop had become

A small amount of good ground thus cultivated, will produce a very great amount of excellent fodder. I have sown from one nere to six neres. The product will be prodigious-several tons per acre

My practice has been to sow two and a half bushels good seed comper acre on the furrows before harrows ing; then to drag it thoroughly the same way it was ploughed. The seed will fall mostly into the furrows, and being well dragged will thus he deep enough to have strength of root sufficient to sustain o tall stalk. I have tried different quantities of seed. The results from the quantity named above, I have found most enti-factory. With this quantity the stalks will stand so thick as to grow up tall and slender. Cattle will consume them entirely.

One, by no means unimportant item in the value of this crop is, there will ordinarily be found quite a quantity of small cars of corn-much of it ripe-a full sufficiency for stock which has been accustomed to a moderate feeding of grain during the winter

To harvest the crop, the sickle is used most advaningeously. When cut, the stalks should be bound in small bundles, and be set up to cure in small stouts; and when stacked for winter, let it be stacked as at the South, around a stack pole, only the length of a theaf from the pole. In this case the butts, or bottom end of the stalk, will all be exposed to the air, and the process of curing will be gradual and safe. It mus, be remembered that it is an exceeding y succulent stalk, and is cut green, and will need care and time to sately cure it. I have lost a large quantity by beating, after I considered it cured, by putting it into a large stack, so as to exclude the air.

Another benefit of this crop is, if sown about this time, it can be followed by wheat in the fall. It can be cut and taken from the ground in good season to sow wheat. I have had turf ground turned over. sowed with corn, and found it in a more entisfactory condition for wheat, than when summer fallowed. The ground has been kept damp and moist by the shade of the corn, and the turl has been sufficiently decomposed. A single plongling after the corn is cut off, is all that is needed for sowing .- Rochester Dairy Democret. A FARMER.

The following remarks, by professor Dewey, were auggested by an article on this subject in our last.

Killing Rats.

Thenard has proposed sulphuretted hydrogen. The question is, how can it be applied? I'se a tubulated retort, containing all the materials except the sulphuric acid. When the neck of the retort has been surrounded with mortar in the rat's hole, the sulphurie acid is to be turned in through the tubulure, and the etopple immediately inserted. The gas will then pass into the hole, and to the lower parts, as its specific gravity is a little greater than that of oxygen gas, and about one fifth heavier than atmospheric air. While the gas is very fatal to onimals it is not so to man, at least to near the same extent. Chemists often brenthe considerable of it. Probably no danger would result from using a common retart, the neck of which should be mortared in the hole expeditionally. It is more probable that a worse evil would result from the death of numbers of rats in an inaccessible place. The existence of the sulphuretted hydrogen will be known by its offensive edours, which is that of putrifying eggs. If the rats cannot escepe, they will doubtless he poisoned. If they can escape by means of their various passages under ground, they will flee with all rapidity from so noisome and fetid an intinder os this 208. This effect is as readily produced by the beating

of a drum in the celler, without any exposure to a substance so offensive, and at a much cheaper rate.

C. D

Locust Tr - in the West.

The Pecria, Ph., Democratic Piess, in an interesting manner, riews the great profits of cultivating this tree. It is of advantage to cultivate it in any section of the U.S.; but here on our prairies, where so much it said of the scenery of Unber, it is worthy of much attention. Desides being of most rapid growth, it furnishes one of the most durable kinds of number: and if rail-fences up, to be used (which we trust will not be generally,) the farmer will find it for his interest to give immediate attention to its culture. The Press makes the following estimate :

Prairie, 10 acres, at #3 per acre, Rails and putting up a fence round do. Seed and attention to nurs ry, 20 Breaking up prairie, putting it in order, and

setting out seeds, Subsequen' attention to same, fence, etc. At 6 per cent, compound interest, this sum, \$100-in ten years will nearly double,

n aking Deduct this from 6,400 trees, 12 years old, say at only 59 cent each 2.200

82 820-Lenves a net profit of If we remember right, on the old ha testead in Conn., they used to get \$1 per cub c foot for this tice for ship-building; so that the estimated value of the trees at 12 years old may be considered quite low.

The following are the instructions of the editor for its cultivation, who says he is qualified by experience to give advice. He significantly remarks:

"You'll begin this spring. The locust is raised either from the seed or suckers; but as me former mode is best adapted to our present a space, we shall comine our ramarks to it. Selector Mand a half or two roads of ground that has he a under cultivation several years, and which is of a rich loamy soil, neither too wet nor too dry; put it in fine condition, and having produced the seed, in order to make them yegetate freely, your upon them boiling water and let them soak a few hours. Then sow them in dulls three or four feet apart, and two or three mehes distant in the dulls, covering them nearly as thickly as you would corn. But, we would have you bear in mand that this should be done while the carth is moist, and when done the whole should be assed over with a roller of sufficient weight to press together the earth so as to favor the retention of moisture which will necelerate the gramination of the seed. If these directions are strictly adhered to, the seed will come up as certainly and regularly as beans, and in many e - the vonne trees will atten the height of four feet the first sea en. Care should be taken that they be kept free from weeds, and they may remain in their seeding location two years. At the end of this time, transplant them to the ground designed for the purpose, and which must, during the time the seedlings occupy their place in the nursery, be enclosed, broken up and prepared There is no difficulty in transfor their reception. planting them, and where the roots are taken up carefully it is a rare case to see a tree die. To give the above number of trees in the 10 acres they must be set 8 by 84 feet upart. In about two years after they are set out, the ground will afford a superior pasture to which it may be applied without detriment to the trees.

"But, you'll say we have made no allowance for paper calculation. True, we will therefore now throw in, to make up for that objection, the ten acres of land with the locust stumps, which will be of immense value for a new growth of trees, that will follow without a nar-cry, and with less care, more certainty and greater rapidity, than the first crop, at the same time affording an almost inexhaustible source for locust enekers

The Pruits of the Soil.

The statistics accompanying the returns of the last census show, that the sixteen millions of people who live within the limits of the United States, possess lumber to the value of upwards of eleven millions of dollars, which, with brick and stone of an incalculable amount, constitute the insterials for their dwellings. The income of their orchards which grow around those dwellings is upwords of six millions of dollars in value. They had more than tweaty-six millions of pounds of wool to convert into brog a faths, blankets, and hosiery, &c., with which to shelter their persons from the in-elemency of the weather, more than a thousand milion of pounds of cotton to manufacture into various useful and necessary garments, and more than three hundred thousand pounds of silk for elegant and fan-The amount of their flax and hemp united, was nearly a million of tons.

they bad, the last year, more than 73 millions bushels I whent, equal to more than 14 millions of barrels of wheat flour, a rare article with those who subdued and when hour, a rate athele with those who student and settled this domain. They had also trote than seventeen millions of tye: upwards of sex unifloons of backwheat, and three millions of bushels of butley. The value of the positry that strolled about the yards and enclosures, was more than nine nullions of dollars. The number of swine was upwards of twenty millions, and the number of sheep more than nineteen nullious.

These people of the United States had the last year, more than 300,000 bushels of Indian corn, and more than ninety-nine million buchels of potatoes, and nowards of therteen millions neat cattle, which furnished them milk, butter and cheese, &c. to the value of more than thirteen one one of dollars. had at their command the layor of more than three millions horses and mutes, and upwards of an hundied and six nullions bushels of outs, and nine millions of tons of hay, on which to teed these and their To sweeten whatever seemed acid or other cattle. bitter to the taste, they had more than two hundred and eighty million pounds of sugar. Their land yielded to them, for their indulgence, more than seventyeven million pounds of tobacco, and newards of two bundt d and seven thousand gallons of wine with which to clicer their hearts. Such is the income of the soil only; and yet with all this income they are over head in debt. The public dehts clone, in a time of profound peace, are estimated at near two millions of dollars.—New York Journal of Commerce.

The Silk Business in Pennsylvania.

On Saturday last, we visited the extensive cocooneries owned by Judge Blythe and Minj. Sarively .-These enterprising gentlemen have three cocooneries in the vicinity of our borough "in the full tide of suc-cessful experiment," and by their estimate they are now feeding between four and five millions of silk worms. As yet the worms are all healthy and doing well, and we trust these gentlemen will meet with the most perfect success in their enterprise, as it will have a tendency to encourage others to go into the business. We have also, since visited the cocoeneries of Wm. Bell and the Rev. John Winebrenner, and in the building of the latter gentleman, we saw a large numher of his worms spinning, having come to maturity and spon their crooms in bare weeks, notwithstanding they are called four weeks' worms. In regard to the dura' "re of Pennsylvana sitt, we can speak from experience. The writer of this arricle has worn a figured satin vest for two seasons and has it on now for the third, and the service in the gon through has not been of the ordinary kind: yet it is neither worn brough at the pockets nor frayed at the arm holes. We sincerely hope that the business may go on and prosper until we are able to manufacture all silk goods worn in this country .- Keystone. (Harrisburg, Pa.)

Protection Against Drought.

In tillage, the best protection against drought that can be conveniently practiced to a great extent, is ficquently stirring the earth, so as to keep it light and In this way, the earth at the surface is in many small particles, "he a cree as a non-conductor of moisture, and retains it below, where the roots obtain a supply.

On the contrary, when the earth is hard and compact, the moisture is readily conducted off through it, even to a great depth in a very dry time. As an illustration, if one end of a long bar of iron be put into a fire, the heat will readily pass to the other end; but if that bar be cut into pieces of one inch or less in length, and laid along in the manner of a bar, the pieces would touch in some places, and in others there would be a small space between them; and on heating one end, the other would not be effected, as the heat would not pass but a small space through the pieces.

Again, we will suppose that a fire of intense heat be unde on a block of fron, that is four feet square, and ten feet high, the body of iron would fast become heated downward, even to the bottom. Now, if that iron should be cut or broken into fine pieces, and a body of iron formed of these pieces, of the same size as the block, and a fire of like degive of heat made thereon, the fire would work down slowly, after penetrating a small distance through the many particles, and the air intervening between them. We give this as the theo-It is the practice, as in all other things, that we rely on as the foundation of true science.

There is in a dry time, a great quantity of moisture

For the food that was to sustain and nourish them, ed, in a great measure by a non-conductor, of m ture at the surface, the plants will suffer comparatily but little. This is abundantly shown in practic

Those who have not witnessed from experime and observations the advantages of fine loose earth the surfice, as a protection of plants against drought, a suld not be likely to suppose its effects great as it is, though the theory is plausible and reas able. Corn and other vegetables that have been a hood in cutrancely dry times, have flourished with become party left for experiment, were nearly of

deed the powerful effects of this protect ыл велапп. We cultivated a few acres, mostly land, and the drought was severe indeed. Where soil was frequently stirred and kept light and loose the top, there was a constant moisture a short dista from the top; but where the earth remained unino it dried to a great depth.

A narrow strip, running across the piece, was for turnips, and remained unploughed. On this soil became dry below the usual depth of ploughi and the weeds were almost dead for want of m ture, while at the side, weeds of the same kind in the edge of the ploughed ground, were fresh and orous, and the soil was dry only a few inches on surface.

Where some grain was sowed, the earth was down six or seven inches; while by the side of where the soil was often surred, it was dried do only three or four inches. And in this latter case, moist carth had a good degree of moisture, while former contained but little

On this subject an intelligent cultivator observ that he would rather have six men among lands, s ring the earth to keep it loose and fine, in a sev drought, than to have the same number of men en ged in watering the plants - Yankee Farmer.

The Duty to Labor.

'The world owes me a good living, and I'll h it,' says some blackleg, as he finishes a luxuriant 'here, landlorg, another bottle of your pri Madeira! Half a dozen empty-headed fops, who gazing on him by stealth, in silent admiration, the sentiment with a shout of applause: The world owes us a good living and we'll have it landlord, more wine here! 'we won't go home merning.' Let's go it while we are young. Yource for the expense?' The consequence of this The consequence of this the pilieting of moncy drawers, the ignominious of employment genteel loaferism, and so on, until of these enterprising gentlemen, in enger pursui the 'good living' the world owes him, puts the wre man's name to a check, or in some kindred way ; a ticket for the marble polace at Sing Sing, wh the State provides 'a living' for those it consist deserving, but not just such a one as consists with the own estimate of their exalted merits.

The great error in this case is in the original m im. It is false and detestable. 'The world or you a living?' How owes? Have you earned by good service? If you have, whether on the vil, or in the pulpit, as a toiler or a teacher, you h acquired a just right to a livelihood. But if you h eaten as much as you have earned, or-worse still have done bitle or no good in the world, the wi owes you nothing. You may be worth millions, able to enjoy every imaginary luxury without car effort; but if you have done nothing to increase sun, of human comforts, instead of the world ow you a living, as fools have babbled, you are morall bankrupt and a beggar.

Mankind are just awaking to a consciousness of duty resting on every man to be active and useful his day and in his sphere. All are not called to or hew—to plough or plane—but every man has sphere of usefulness allotted him by Providence, t is unfaithful to his high trust if he deserts it for pomp or heedless luxury. One man may be fitted nature and inclination for an artisan, another for sailor, and a third for a merchant; but no man v ever born, fitted only to be an idler and a drone. Those who become such are the victims of perve circumstances, and a deplorably false education.

"But has not a rich man a right to enjoy wealth?" Most certainly: We would be the last deprive him of it. He has a natural and legal rig to possess and enjoy it in any manner not injurious others, but be has no moral right to be useless becau he has superior means of being useful. Let him suround himself with all the comforts and true luxur of life; let the masterpieces of art smile on him in l in the earth, that is continually rising and passing off gallaries, and the mighty minds of all ages speak in evaporation: and if this evaporation can be preventan possess in abundance, the means of satisfywiser, nobler, larger in soul than his less fortuwighter; but let rur nevet target as if proprained he never con-that it is his solemn duty useful to his fellow creatures, especially to the seed and suffering-to labor for their benefit, and

; if need be, for their elevation, to service idolative with which Ignora co and arity have looked up to Power and Wealth—the anse which the trampled nullions have sung bethe cars of conquerors and other scourges of the , are fading and thitms forever. In the twilight in succeeds this gross darkings, there come in seawhich once blinded and bound them, resolves to the lowest level. Now the laborer with his sin-returns hatted for the continuous once cust upon and says, 'What good is there in any thing but well labor? Away with all clee! Those whose is chiefly mental are deceivers and motis!' But is a transitory couldinen. The world soon learns spect its benefactors in whatever spaces, and to ze that he who truly and honestly exerts houself one department of useful effort may justly claim otherhood with all who toil, make and earn. Let ich cease to look down on the poor—the merchant e porter; let cach respect the dignity of Man, in his own person or in that of his less fortubrother. Let haughtiness and pride on one side, ency, jealousy and hatred, with their train of ful consequences, will viaish from the other, and minuted by a common kindness, will move ford in concord to the attainment of the highest good. clected.

Plower Garden Cultivated by the Ladics. neat Flower garden in front of the farm house, roof that the farmer's wife and daughters are intrious and refined. It is proof that the work withnors is well performed; for it is never the case that rder and thrittlessness reside within, while the len-tended by female hands—is nest and flour-This out-door labor gives bloom to the checks, or to the whole frame, checifulness to the disposi-

, and general efficiency. 'air and gentle woman is never in a better school a when busying her ingers and twining her affecigles with beauties whose tongues never utter enor malice, and whose cars are deaf to every idle or all word. There the lovely and innocent speak to of the more lovely and macent One who delines their graceful forms and paints their rich and valeolors. Purer, richer, better, are the teachings of shooting blade and opening flower, than come n the musings of a listless mind, the pages of ro nee, or the gossip of corrupted society. The seeds health, and purity, are in the soil on which the k and primrose grow, and those who labor to prote the ingrence of the latter, will tuste the delicious it which the former bear.

Fear not, ye busy wives and daughters, that the e of a small flower garden will be a buithen, ren ring more arduous the labors of the kitchen, the iry room and the needle. For the invigorating ex-If y room that the freely. For the invigation of the freely turned shif, the draughts of re oxygen which will be found among your plants can the warm ann is expanding their foliage, the riety of exercise which the garden gives to body and nd, together with the pleasure derived from the auty and fragrance of your flowers, will turnshore strength than the labors of the garden will exust,-New England Farmer.

Leisure Days.

By these we mean days in which the care of the op does not require attention-days when the farmer n look about him and turn his hand to some odd Usually there are several such days in June, and e manner they are spent is no small moment.

Of course it is not in our power to tell you what is he done on your particular place—for on one farm a sw rods of stone fence is to be built; on another an nderdrain is to be completed; on a third the ditches squire attention, &c. &c. But at these times keep n sarp look out for manure making. The swine must ave frequent supplies of the raw material, and leaves, il, muck, &c. must be deposited near the bog yard ow, so that in the busy days of having, something may be thrown in, and your hogs not left without leans of doing their proper work. These days for thite washing, for cleaning up around the house and

ses of those he love gather joyously around it. barn, for seasonable repairs, and the like, are among the most profitable of the scason. We class them under the head of lessure days, but they should be far from days of alleness: more of the profits of husbandry is obtained from the good judgment and per evenance with which improved ents and plans are excented, (we mean the gradual implements which the good farmer will have an eye to, and will carry on at times when the cost will be but bale? -- more of the real trowhich the cost with he out that positions of farming turns upon these than upon the ordinary crops of the farm. Where coil and manure are alike, one man can obtain as good a crop as another. or nearly set the skill reached a not so much that of planting and horong, seed increasing the manne heap, merensing the depth of the soil; protecting the dry lands from drought, and draining those that are too wer; the mixing of so is and sutting the manures to the soils and crops to which they are applied. These are the important matters; and many of them deserve nitention at this censon of the year .- 16.

What should Parents do with their Boys!

Many parents have sone, whom, when they arrive at years of discretion, they are macrimin what to do with. For instance, a respectable mechanic has a good, stout, hearty, well disposed son, whom he wishstates, he some bow or other seems to think that his son must be brought up to some higher business than a mechanic. He therefore cancludes that he must send him to college, and make him a lawyer, a docfor, or a elergymen, and the honest well meaning parest labors hard to caun money to july the expena colleg are Chentien, for the purpose of making him respectable, to make him take a higher rank in the weild than that of a mechanic. Here is a great mistake. When the boy leaves college, what is he to do? He is then just qualified for withing. He turns peda gogne for nwhile. He bents learning into the youth full progeny; but few, very few, think of pursuing the business of a school master as a permutent profession. After continuing it for a year or two, he quits it, and commences the study of one of the learned professions. Here are three or four years spent in preparing to become a professional man, and at much dditional expense to his father. He at last sadmitted to the bar, or receives a degree of M. D., or is licensed to preach. The next thing is to get a living by the profession he has chosen, and this is not so ensyn matter. All the learned professions are full to overflowing, and there seems to be no room for new beginners. The consequence is, that the young aspirant for eminence, dings along, without getting bnsinces enough to pay the rent of an office. Year after year he toils, or would toil, if he had any thing to do. without minking half enough to pay his own expenses, To be sure, there are some, whose superior intellect and commanding talents will enable them to rise at once to eminence, and to command a business which will render the model endent; but these cases are few and for between. When such do occur, the superiority of mental

power will shine out beforehand, and should be fos pered. But the propensity which some mechanics have of bringing their son up at college to make them more respectable, we think to be a great error. It is injuring a son more than it is benefitting him, unless some extraordinary mental energy displays itself in the youth. He goes through college, and thence,

" Proceeding ...oon a graduated dunce,"

he is just fitted for-what? He has spent the best part of his youthful days, in qualifying himself for a profession from which he cannot gain a hving, or at east a very scanty one.

In our hamble opinion, as the professions now are, we should say to mechanics, and indeed to professional men, in nincty-ninc cases out of a hundred, give your sons a good education, and then put them as aprentices to some respectable mechanical business. They will then as soon as their time of apprenticeship s expired, be independent, capable of earning an honest living at once. The profession of a mechanic is faily becoming more and more respectable, thanks to he good sense and good judgment of the presentage, and it can no longer be thrown out as a mark of rebroach, you are a mechanic, or the son of a mechanic. It is on the contrary an honor.

As the question has been recently discussed among few mechanics, what they should do with their sons, we would repeat, give them a good education and then ring them up as mechanics or farmers, if you wish to ensure them a comfortable, honorable, and independent living and station in society .- Boston Transcript.

A Gry, -" Carbonic acid, water, and ananchia, contain the elements recessify for the support of animals and vegetables. The same substance are the ultimate products of the chemical processes of deepy and putrefaction. All the innum rible products of vitality resume, after death, the original form from which they spring. And thus death—the complete discolution of ou existing generation—becomes the source of life for a new one. —Liebig.

Culture of Raclayhear.

Dry light land is most supplie for buck wheat; but when that has been swarded for a number of years and then ploughed but once, a great crop cannot be expected. Something may be obtained the year rad a greater harvest will follow in the second year. Any ground that bore beens, potatoe, or coin last year, and for which you have no nature to space this s son will yield a good hervest. We sow the seed from the twenty-tifth of June to the fourth of July-sone are the carbest sown produces bust and sometimes the latest sown-it depends on the searon, which no ore can foretell. A neighbor of ours, Mr. E. Freeman, keeps one of his lightest fields on purpose for buckwheat. In the spring he sows rye on the field, and in the last part of June he ploughs in his i.e with his horse plough and sows his buckwheat on the furrow. By this practice he is bringing a thin soil gradually to of buckwheet last season, and he uses the straw for fodder for his entitle.—Beston Cultivator.

Pity is a passion proceeding from the misfortune of another. Envy is a passion proceeding from anothers success. - Addison.

Go Forth into the Fields.

Go forth into the fields, Ye denizens of the pent city's mart; Go forth, and know the gladness nature yields To the care-wearled heart.

Leave ye the feverish strife, The jostling, eager, self-devoted throng; Ten thousand voices, waked snew to bue Call you with sweetest song.

Hark! from each fresh-clad bough, Or blissful soaring in the golden air, Bright birds with payous music, bid you now To spring's loved haunts repair.

The silvery alcoming rills. Lure with soft murmurs from the grassy lea; Or gaily dancing down the sunny hills, Call loudly in their glee!

And the young wanton breeze, With breath all odours from her blossomy chase, In voice low whispering, 'mong the embowering trees, Woos you to her embrace.

Go breathe the air of heaven, Where violets meekly smile upon your way; Or on some mne-crown'd sunner, tennest driven. Your wandering footsteps suray,

Seek ve the solemn wood, Whose giant trunks a verdant roof uprear, And listen, while the rost of some far flood Thrills the young leaves with fear !

Stand by the tranquil lake, Sleeping 'mid willowy banks of emerald dry, Save when the wild hird's wings its surface break Chequering the mirror 'd sky-

And if within your breast, Hallow'd by nature's touch, one chord remain; If aught save worldly honors find you blest, Or hope of solid gain-

A strange delight shall thrill, A quiet joy brond rea you like a dove; Earth's placed beauty shall your bosom fill, Stirring its depths with love.

Oh, in the calm still hours, The holy Sabbath hours, when sleeps the air, And heaven and earth deck'd with her beauteous flowers, Lie hush'd in breathless prayer.

Pass ye the proud fane by, The vaunted aisles, by flaunting felly trad, And 'neath the temple of uplifted sky, Go forth and worship God

| Selected.

Waterlas Woolen Factory.

Messas. Emrons-This factory cost and capital \$80,000) makes about 6000 yards of dressed woolen cloth per month. Its annual consumption of wool is about 250,000 lbs.; the greater part of which is purchased from the farmers wagons at the factory.

On Saturday last, between 10 n'elock and 4, there was received there over 7000 lbs. of wool, the greater part of which was paid for in cloth. It was comprised of eighty different lots, and came from five of our neighboring counties, including Sences. For the time being, the sales room was crowded with an intelligent, well dressed, rural population of men and women, many of the latter supporting in their arms those jewels, which the mother of the Graceln ' did boast of. Some half a dozen clerks had constant curployment in measuring and cutting cloth, to say nothing of the brisk and busy duties of the wonl sorters, or the more wordy, though the not less laborious task of the superintendent or of that very active director, friend Richard bimself.

The cloth which this factory sells in New York, Philadelphia, and Baltimore, affords but little profit at this time, owing to the depre-sed state of the market. But the home trade was perhaps never more profitaable; and, what is better, it is dady increasing and extending. The interests of the wool grower and manufacturer, are fast becoming identical. intelligent farmers find it better, far better, to give a liberal price to the manufacturer, who in return pays them well for their wool, than to buy the amported artiele at a lower price, when that very article strikes at their occupation, by destroying the market for then wool.

It is supposed by some woolen manufacturers that the minimum duty under the compromise law of 20 per cent. on imported woolens, is not protection enough for their cloth against the imported article. But when we reflect that this duty is to be paid in cash down, argent comptant, and that the taxes and extra express of living to the English manufacturer, Is more than another 20 per cent in favor of our manufacturers, we think, with some self-denial and ordimary common, they will not have to shut up shop.

"Its true that capital is cheaper in England, and that their operatives do not get weers sufficient to enable them, like ours, to manapolize all the surlain steaks of the market; but the countless number and enormous weight of their taxes, is more than an oilset to our better living. S. W.

Waterloo, June 15th, 1841.

Beron Cattle.

Messes, Entrops-I believe it is not generally known to our farmers that Mr. S. Vernon, of Roanoke, in the town of Stafford, Genesce Co., imported a fine Devoushire Bull in the summer of 1839. was bred by Mr. Davy, the celebrated breeder of North Decons, in Devenshire, England, and selected by Mr. Halley, of Stafford, (when on a visit to England,) a good judge of stock, and an intimate friend of Mr. Vernon holds him at the moderate price of \$3 per cow, and I think he will prove a valuable acquisition to the graziers in Western New York.

Yours &c. W. GARBUTT. Wheatland, Jone 18, 1841.

Mouroe Co. Agricultural Society.

At a meeting of the Executive Committee, held Jane 2d., the following persons were apointed town committees for the present season.

Wheatland-John McVean, Jirah Blackmar, Ita Wood.

Chili-Jacob Strawn, Wm. Tone, John Tuller. Riga-D mnis Church, Alfred Fitch, Charles Ten-

ney."
Ogden-Wm. B. Brown, Jesse Harroun, John

Sweden-George Allen, Humphrey Parmer, Frederick T. Root.

Clarkson-John Bowman, David Forsyth, David Allen. Parma -Abner Darling, L. W. Metcalf, Roswell

Atchinson. Greece-John Moxon, Nicholas Reed, Asa Rowe.

* Her children-three are my jewels said the mother of

Gales-Matthias Garrett, Mores Dyer, Calch Cor-

Brighton-Gideon Cobb, Nathaniel Hayward, Hiram D. Celvin.

Henrictta-Hiram Smith, Joseph Williams, M. L.

Rush-Martin Smith, Jacob Clapp, Charles Chamherlain. Mendon-Abner Cole, Thomas Wilcox, Henry

Quamby, Pittsford-Edward Wilbur, Alexander Vorhees,

Periinton-Gideon Ramsdell, Zera Burr, A. Good-

Penfield-Henry Fellows, Daniel Fuller, Samuel Meller

Webster-Byram Woodbull, Wm. Holt, Alphous Londequot-S. Shepard, Allen T. Hooker, H. N.

Langworthy. Rochester - Lewis Brooks, Wm. Pitkin, A. Chamoion, George Whitney, Alexander Kelsey, E. Darwin

Smith, Henry O'Reilly. The duties of the town committees are, to obtain the names and collect the fees of members; examine crops offered for premiums and obtain certificates of the same; and attend to the general interests of the

Society in the town. (Printed Circulars have been ent them 1 The Annual Fair and Exhibition of the Society will he held at Rochester, on Friday and Saturday the 15th and 16th days of October, 1511. The list of memiums, &r., will be printed immediately and sent to each of the officers and committee-men, and may be

obtained at the Rochester Seed Store L B. LANGWORTHY, President. H. M. WARD, 11. M. WARD, Secretaries.

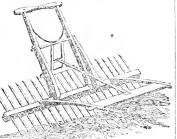
Rochester, June, 1811.

ROCHESTER, Morday, MONEY MARKET.

| Specific | Specific

NEW YORK MARKET-JONE 28,

The Flour deplers have stall further advanced their preten-The Flour centers have star for her advanced their prefer-sions. Safe yesterday of common bradia Genesce at 5.32, a 5.50; Ohie round hoop, 5.25 a 5.45 do. for theop, 5.24 a 5.374; Michigan 5.17; a 5.25. Georgetown and Howard st. 5.37\frac{1}{2}, 5.50. The arrivols are held, and of cyany kinds the 2.51(4) MURINGS OF 1 The arrivals are held, and of remy kinds the market is here. The arrivals are residued to immediate market is here. The put hasers are confined to immediate many form has arrived more forely, and askes of Southern Laye from mode to the extent of 12,000 impless, at 50% of me sare, and 60 weight, delayered, 1000 does, Northern at delt weight. The stock of Whentia reduced, and 126% is generated to send of 60 000 at A march of 3000 hasheds, Long terally demanded for Ohio. A parcel of 2000 bashels Long (4) adodd at 115c for nalling. For Rye 6te was asked, but we heard of no sales. Ismall sales of Northern Oats at 11 a No Southern Oats at Market.



REVOLVING HORSE RAKES, F the best construction, are manufactured by P. D. Wright, State street Rochester-Price § 5. Also, Cultivators-Frice, § 6.50 to § 0. July I.

THE THOROUGH ERED HORSE. FLORIZEL.

NOR the information of those who may wish the stock of If this relation of these who may wish the stock of it his celebrated heres, notice is herely given, that he will stand for mares the custing season, at the stable of H. V. Wee I, Guesson; an I also at the stable of the subscriber, in Goveland, where passurage will be provided, and atten-tion pell if a mares from a fistance.

C. B. CARROLL

RUTA BAGA AND TURNIP SEEDS. A Full and choice assortment of Ruta Baga and off Turing Seeds, lately received from England, for sale the Rochester Seed Store.

BATEHAM & CROSMAN

June 1, 1-11.

THE THOROUGH BRED HORS YOUNG HENRY.

THE PUBLIC are informed that the above thorough in House, raised by H. Woolsey, Long Island, and ac owned by the subscriber, will stand at O Culver's, Bright-More e.g., and will be let to mares et lifteen dollars the son. Unclessed and good pasture will be provided, and possible are and at ention will be paid to mares broug from a distance and left with the horse; but no responsible ty for accidents or escapes, should any occur. Peligree.

Young Henry was got by Henry, the competitor of Eclip Young Henry was got my nearly and Henry is now Tyes out of Sanddhole, by Bethjee, Young Henry is now Tyes old on the lith of June math, he is a splendid figure, with, joints finely developed, he is a dark sorred, and somewi-over 16 bands high. For further particulars, apply to OLIVER CLIVER

Brighton, Monroe Co., N. Y., May 20, 1-41.

ROCHESTER SEED STORE -- 1841.

ROCHESTER SEEH STORE:—1841.

DAUSHAM & CROSMAN, the propriet on of this w
Dakowan establishment, respectfully inform the publical
trey have now on hard, a seneral assortatent of super
English and American SEEDS of the growth of 1849, a
other arcides in their line of business.
For the FARM—shoice varieties of Corn, Grain, Gra
Glover, &c., and seeds for Rout Crops, such as Mangel Wu
281, Sugar Beet, Carrott, Ruta Bara, English Turinj, &c.
For the GARIATN—all the most valuable and approx
kinds of escaleral Variables and the most valuable and approx
kinds of escaleral Variables and the instruction of escaleral
England—such rise the different varieties of Cablage, Cas
flower, Broccoli, Rudsh, Turing &c. Onion seed is obtael from Wethersfield, and other articles are raised for the

Frigunity—surf is no interest varieties of a tonigh, Cub dower, Drecold, facilish Promp &c. Onion seed to data dower, Drecold, facilish Promp &c. Onion seed to data enablation with creat care. FLACMER SUBERS—do not 300 varieties of the most bea that and interesting kinds.—(Price 30 cents per doz. paper ROUTS AND LIANTS—Choice kinds of Potatoce, A

aragus and Pie-plant roots, Cabbage, Cauliflower and oth minute in their season.
TOOLS AND IMPLEMENTS, of various kinds, for t

Farm and Garden And a large collection of valual BOOKS on subjects connected with farming and gardeni silk enture, &c. SHA WORM EGGS—of different kinds, on hand in the

L CATALOGUES gratis on application. Merchai

supplied with Scots at whole sile, on theral terms. Orderon a distance containing a remittance, or good city refrom a distance community, and the control of the c

Arcode Holl, Rochester, April 1, 1541.

ROCHESTER PRICES CURRENT.

CORRECTED FOR THE NEW GUNESEE FARMER, JULY 1, 1941. WHEAT, ... per bushel, ... \$ 1,08 a \$ 1,12 OATS. "BAPLEY, "BEANS, White, "BEANS, White, " 48.....50 31..... 371 50..... 623..... 75 POTATOES, " 18..... 20 APPLES, Desert, " 50.... Dued, ... " 68 75..... FLOUR, Sepertine, " 4,58..... 5,00 Fine, 4 3,75..... 4,00 SALT, " 1,50..... PORK Mess. " 11,00 11,00 11,00 " Prime, " 9,60 10,00 BEEF, " 4,00 4,50 POULTRY, per pound, 8 EGGS, per dozen, 9.
BUTTER. Fiesh, per pound 10. 12 9 CHTESE..... " ... Ĝ..... L\RD, " ... 7..... TALLOW, Clear, " 8.
HIDES, G con. " 5.
SHEEP SKINS, cach, 874. 9 1, PLARL ASHES, ... 100 lbs.. 5,00..... " ..4,50..... WOOL,pound,... 25..... 35 HAY..... 10,00..... 12,00 GRASS SEED,....bushel,...1,50..... 2,00 CLOVER, "... (". 6,00...

FLAX... ("... 75...

PLASTER, (in bbls) per tan,6,00.....

bulk(at Whestland)3,50.... 87

The market is very unseendy. The various reports in retion to the crops, have a tendency to render the prices venetuating. Wheat has advanced to quoted prices, and v lation to the crops, have a tendency to remier the prices we distributed by Wheat has advanced to quoted prices, and what heard some state that set of the state Lyunte Lytures

B. BATEHAM, F. CROSMAN,

Proprietors.

VOL. 2.

ROCHESTER, AUGUST, 1811.

NO. 8. | JOHN J. THOMAS, M. B. BATEHAM, Editors.

PUBLISHED MONTHLY. TERMS.

FIFTY CENTS, per year plaudic always in alreance. Dots Masters, Agents, year plaudic always in alreance dame, will receive seem cupier for §3.—Therico cupies tor —Westly-free copies for §3.—Therico cupies tor —Westly-free copies for §4.—Therico cupies in —Westly-free copies for §4.—Therico copies for this this state, and one and a half cents to any place this this state, and one and a half cents to any pare

than this state, and one and a mult cents to any part of C United States. A liress BATEHAM & CROSMAN, Rochester, N. Y.

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ne Harvest. The Weather of June and July. Hints for the Month, A. F. Parker of June and July. Hints for the Month, A. F. Parker of June and July. Hints for the Month, A. F. Parker of Land Backer of Cherries. The Curcollo shint out. 116 Whit to Mr. Sheffer's Farm. Berkshire Hogs. Sugar Beets. Wheat Culture. Fig Sale. 117 flamath Gas exhibited by Flowers. Best time Backer of Land Charles. 118 flamath Gas exhibited by Flowers. Best time Backer of Land Bac

Still another Call.

We are now incurring large expenses, and greatly sed the numerous small summ-amounting in all to ome hundreds of dollars, still due us from Postmasters and others. If not remitted soon we shall have to end, what we hate to give or receive—special Duns Ve fear we shall have to adopt stricter rules next reser.

To Correspondents.

Several communications, letters of inquiry, &c., eve not received attention the month, owing to our basence. We will endeavor to give a description of atump machine in our next. Heles shall receive ttention next month—Is Our Valley near Maple Grove? Then where are both?

The Haivest.

The Wheat crop of Western New York, like that of Ohio, will fall below an average in quantity, although fine in pality. In several towns in this county the insect has done some injury, but we believe not very extensive. The wenter has been fine for harvesting, and the crop is mostly sesured in good order.

In Michigan, the Detroit Advertiser of July 28th says, the Wheat crop is very abundant and secored in fine order; but the corn and postaces were suff-ring from drouth—thermometer 90 in the shade. The Alton (Illinois) Telegraph of July 3d speaks of excessive drouth, and postaces leing actually roasted in the hill! A correspondent in St. Louis Co., Missouri, says the Wheat Harvest never was better. In Canala we are informed the crop is fair, though not very abundant. The same is reported of Pringsytvanfa.

The Weather of June and July.

The month of May left us cold and dry, and the drought continoed till the lith of June. The crops, especially grass, clover and wheat, suffered severely, and were saved by the rain before and after the middle of June. In this vicinity, the grass crop is below the average, and the sume remerk is true respecting wheat.

Over the country it is gratifying to hear that the harvest will be fully adequate for the wants of the people. Indeed, the fine weather, after the rain is June, filled out the berry of wheat to uncommon fullness, and thus the erep is larger than many had natispiated.

It is now obvious that the cold weather of May was highly heneficial; for with hot weather, the drought would have destroyed grass and wheat, and much misery most have followed in this part of the land. The rain of June, however did not much exceed an inch. The 7th and 8th and 30th June were very warm—temperature 90.9 or more at 2 P. M.

July has been favorable for ripeolog grain, as well as for having and barvestion; as it has abounded with one weather. Considerable rain has fatten in pleasant and short showers; weather warm, and a week from the 2-st very hot. On the 2 st the heat was 93°, and almost as high on the 22d; and on both days, above 90 ? for more than three hours: 23d, very little less heat; and 21th for some time 57 °, and above 93 ° several hours. This was the hottest day for some years in this vicinity-hot indeed over the country. The earth became parched, and occasional showers seemed to have little influence. On the 31st fell a great rain, in showers; in the morning and long before sourise. till nine o'clock, there was much thunder, and more than one inch of rain fell in an hour. The earth seemed to drink in the soccessive and abundant showers, and to be greatly refreshed. "Thou visitest the earth, and watereth it: thou greatly enrichest it with the river of God that is full of water."

During the continuance of the drought, the horos of the moon have been so turned as to indicate a wet moon, though it proved dry.

Hints for the Month.

Farmers should remember that weeds continue to grow throughout the season, and that efforts to destroy them should not be now relaxed. Corn and potatoes should still be kept clear of them. It will not only be of essential benefit to the present crop, but save a vast amount of labor in future seasons. Ruta larges, carrots, and mangel wurtzels, need constant attention in this particular.

But perhaps the greatest evil from suffering weeds to grow, is the bad habit it lends to. Good order and neatness should be studied and carried out on all occasions; and every cultivator should become plarmed whenever be finds himself growing easy under careless management

Care should be taken not to sow weeds. Seed wheat should be thoroughly cleaned, and nothing left but the pure grain; chess and cockle may be removed from it by a good fanning mill, and by washing in brine.

It should be a standing practice to improve all kinds of farm crops by selecting the best seed. The hest portions of the field should be chosen, and, if prac-

tieable, the finest heads picked singly from the sheaves for the growth of future seed. The same course should be pursued with corn and other crops. Every one knows that snimsls are improved on a smilar principle, and vegetable productions may doubtiess be equally so.

Weeds growing in pastures need care to prevent their aprending by seed. Their rapid increase in Western New York shows a wratched neglect. Fields in which, five years ago, the Canada thistles, Johnswort, and ox-eye daisy, had just obtained an entrance, are now completely overrun with these weeds. A tenth part of the expose they have indirectly occasioned, would have extirpated the whole of them long ago. When the worst comes to the worst, farmers must attend to this subject, though a hundred times the labor may be then needed that would do the business now.

Those who cannot afford to destroy spreading weeds, should remember the miller who would not pay a dollar to fill the musk-ret hole in his dam; the second day the current had enlarged it, and is would then have gladly paid that sum, but it would cost fire dollars; and the third day he was compelled to pay fifty, or lose all.

Garden see is require collecting as fast as they become ripe. The best way is to cut off the stems, which hold the ripened seeds, and tie them in bundles, until they can be conveniently cleaned. Where seeds are not fully ripe, a large portion of stems attached, will ofton afford nourishment enough to complete the process.

This is the best season of the year to bad peaches. Applies and pears may be easily budded, if done early in the month. Success in the adhering of the bud, depends chiefly on the thriftiness of the stock, so that the bark may separate very freely. Peach buds which adhere well are often destroyed by the succeeding winter and perish the following spring. To avoid this, select buds from the oldest part of the shoot whence they are taken, and be especially careful to procure the strongest and thriftiest shoots.

Before concluding, we wish to direct enterprizing farmers to what we have already published, in late numbers, on aubsoil ploughing. The season for sowing wheat will soon be at hand, and we are confident a great improvement will be made in our crops by this practice. One fact in comfirmation: $-\Lambda$ neighbor had dug a ditch through his field, several feet in width and depth; the subsoil, thus removed, was sprend to the depth of about two feet on the adjoining ground. This season, when the drought was such that the wheat in the rest of that field, did not promise five bushels to the acre, that portion on cach side of the ditch on which the subsoil was deposited in a deep bed, indicated a product of more than twenty bushels to the acre. The soil was a loam, not so beavy as ever to become cloddy or bake from tensCherrice.

Last season we took some notice of our oberries, (vol. 1, page 114) and we now resume the subject.

Some fine sorts are found in this county; but we doubt if one freeholder in ten ever cat a fine cherry of his own cultivating; and we believe it might be asserted without much risk, that many grown people in this land have never esten a ripe one. This suggestion may seem rather startling; but when we consider that this fruit is generally taken to market in a half ripe state, we may comprehend how the owner fores with a few trees in the most public part of his grounds, who keeps off the boys and the birds with one band-as it were-while be plucks his scanty portion with the other.

It is enough to sadden the heart of a pomologist to behold the old "English cherry," and the upright sour cherry, casting their shadows over the highway; for it tells of a deplorable neglect to take advantage of the fine climate of the Genesce country; why such fruits are not worth the trouble of guarding against the birds-not worth even the labor of gathering.

Now according to our experience-and we have had a reasonable share-the best cherries grow on tices quite as hardy, and quite as easily cultivated as the scorst. How then comes it that such apologies for fruit are tolerated? We leave this question for our readers to answer; but we can inform them that brees of first rate kinds may be had for they cents a piece; and that the annual interest on the outlay would be three or thice and a helf cents-just the years, such trees, with the treatment that we have recommended, would come into bearing; and we are strangely deceived if the proprietor would take less than many times that sum for the crop.

Two causes have conspired to make most of the cherries on our old trees this season inferior in quality. The steady cold in the spring, kept the blossoms back, and none of the young fruit was injured by the frost, so that there was a supersbundance; while the severest drought in the early part of summer, that has occurred in many years, withheld the usual nourishment. On several trees that were hung with fruit, like onions on a string, the leaves withered in the latter part of the day, and some thought they were dying; however there was no disease but that of starvation-too much fruit and too many leaves. The fruit gave way first, and the leaves are now recovering.

It has satisfied us however, that old cherry trees should be pruned when we want the finest fruit; and that to adopt the old English* custom of breaking off the twigs with the cherries on them is no great proof of Vandalism. On such trees as are in danger of overbearing, like the White Tartarian, or Transparant Guigne, it is a positive improvement.

All the " white" cherries of England that we have seen, become red under the glowing skies of this land. Well, an old White Heart (so called) which had borne abundantly, was unproductive for several years; but by cutting off a few of the leading branches, it was rouzed from its torpor--vigorous shoots sprung forth, and again it has become fruitful.

We have never known the cedar birds so scarce as they are this season. Young cherry trees have been mostly allowed to ripen their fruit in peace; and whether we ought to say with the poet

-Joy to the tempest that whelm'd them beneath And made their destruction its sport ;

or ascribe their diminished numbers to some other

cause, we know not; but we should estimate them | ploughed them about once a month, and harrowed at not more than one-tenth of what usually appear in shoot half a dozen.

The crow however, made some predatory demonstrations; but on our stretching sloft two pieces of twine between some of the trees, they suddenly discovered they had no further business in that quarter.

The manner in which ornithologists occasionally speak of the characters of different birds, is smusing. According to Nuttall, the crow is "troublesome," "gormandizing," "voraciona," "audaciona," "piratical," "pillaging," "guilty," "injurious," and "formidable;" while to the cedar bird is ascribed "gentleness of disposition," and "innocence of character," besides being entitled to the adjectives, " friendly, useful, and innocent." Now all the charges that we have selected against the crow, apply as well to the cedar bird, with the exception of two; and "innocent" as he is made to appear, the same sets committed by some other bipeds (without feathers however) would entitle them to a lodging in the county jail.

It is often extremely difficult to determine the true name from the books, when two verieties are much alike. The time of ripening is an important characteristic; but as this will vary with the climate as well as with the season, the most exact way to fix this point, would be to compare the ripening of the variety under examination, with that of some well known sort .-Unfortunately, pomologists have generally chosen the May Duke for this purpose-the most unfit of all the cherry tribe that we have ever seen; for it goes on ripening and to ripen for several weeks in succession. All such references are but of little value.

Our young trees have made us acquainted this sessen with three more fino varieties of the cherry. The first is the Elton which Lindley colls " very excellent," and which ripens with the Black Corone. Niel eava "it is distinguished by the extraordinary length of the fruit-stalks;" and so we have found it, after comparing it with seven or eight other varieties, all of which have shorter stalks. The fruit is large. a waxen yellow, mottled or dashed with red next the sun. We think it will become a general favorite.

Another kind has been called the Black Eagle: but Lindley represents the genuine sort as r pening at "the end of July or beginning of August" in England, while ours ripens with the Elton, "the boginning or middle of July" in that country. He continues : " the spurs of the Black Eagle produce bunches of ten or twelve cherries each;" but ours were mostly aingle. Again: "juice very rich and high flavored :" but ours, though sweet and rich, and much admired, could scarcely be entitled to that hight on the subject.

The third sort is the Elkhorn-a very remarkable variety. We agree with Prince that it is one of the largest black cherries that, we have ever seen, and when fully ripe a superior fruit, as it then loses most of its bitterness. It is very firm, and must be fine for transportation or culinary purposes.

> For the New Gencese Farmer. My own Experience.

MESSES. EDITORS-Last year was my first attempt at farming. I commenced by subscribing for the New Genesee Furmer, and Albany Cultivator. By these valuable papers, every number of which is worth three times its cost, I learned that Canada Thistles, of which I had a very promising crop, could be effectually subdued, by repeated ploughings.

them as often, alternately, (with Wilber's improved other seasons. We have not had opportunities to harrow,) till shout the first of October. The result is their entire destruction, except a few places where the ploughing could not be well done.

I planted one bushel of Rohan potatocs, and raised seventy bushels; four acres of corn, and harvested two hundred; sowed ten bushels of wheat, and shall not horvest any. So much for the first year,

Yours truly, V. YEOMANS. Walworth, July 9, 1841.

> From the Farmer's Gazette. Under-Draining.

The past month has been very unfavorable for outdoor business, in consequence of the almost continuous rains. It has, however, afforded me an excellent opportunity to witness the benefits derived from under-This branch of agricultural improvement draining. is wholly neglected by most of our farmers, while there are no twenty-five scres of ridge-land lying contiguous, to say nothing of low or swampy grounds, but what some parts of it at least would be materially improved by draining.

With many persons, the discovery is yet to be made, that a super-abundance of water is as detrimental to the growth of most plants, as a stinted supply of this fluid. They admire that elevated lands should be wet; the reason is, they do not look deep enough,if they did, they would discover that the soil of most of our ridges rests upon a sub soil which is very tenscious, and as impervious to water, as a dish; consequently there is no way by which the water falling upon the surface can escape, except by the slow process of wending its way through the soil to some less elevated place, or by evaporation, except it is by ditches, either covered or open. My remarks regard the former. After recommending a system, the inference will be that I have derived some benefit from it. I answer in the affirmative, and will state briefly my experiments.

I have an orchard, one side of which is wet, stiff land : rarely any water stands upon the surface, but for several munths in a year the soil is completely sat-urated,—so much so, that a hole dug a few inches deep will immediately fill. The trees did not flourish as well as on the more elevated parts; it occurred to inc that it might be owing to the roots being so im-Accordingly, two years ago I mersed in water. caused thirty rods of ditch to be made, in different directions, all in the compass of half an acre, and terminating in one, and that in a low place, where I could witness the discharge, and the quantity surprised mc. The favorable influence of the drains upon the land lying some distance off, as well as that in their immediate neighborhood, also exceeded my expectation. The effect upon the trees is decidedly favorable, and the grass is much sweeter and more abundant.

Again, I have a field of ten acres, in which I have ade one hundred and fifty rods. This lot had almade one hundred and fifty rods. ways been occupied for grazing; some part of it was so wet (made so from springs) as to produce but little, and by far the greater part of a kind of knot grass, which indicates the coldest of land: will only keep The ditches had animals, but not fatten them. so favorable an effect that I determined to put the lot under the plough,-that being my intention from the beginning, provided I could drain it. I have had two epithet. Another year however, may throw more crops from it, and my experience is, that those parts of the lot, which were the most wet, have become by means of the drains the driest, and the soonest fit to plough after a rain, and producing the best crop. It would surprise any one to witness the quantity of water discharged, and that it is not interrupted in the coldest weather.

Now as to the size and expense of making. That will vary according to circumstances. I have made mine two feet wide, from eighteen to twenty-four inches deep. The depth, however, is to be determined by the nature of the ground, and the kind of water to be drawn off. If surface water, when you meet the obstruction, (hard pan,) that is sufficient; if spring, deeper cutting may be necessary. The most expeditious way of filling the ditches is to dump the stones in: but the best way, and the one which I have practiced, is to lay them in by hand, leaving an aperture or four or five inches square, just as the stones seem to favor. As to cost, I calculated twenty-five cents a rod; this is what I pay for digging and stoning. The drawing the stones I count nothing, as they can be disposed of in that way at a less expense than to draw them Accordingly I commenced about the first of June, and | into the highways, or to some distant ledge or broken

[•] We allude to Lydgate's account of the London cries (about the year 1150) where he mentions "cherries in the tyse." "Ryac," says the New Edinburgh Encyclopedist, "Is a word not yo obsolere in Scotland, signifying spray or with."

piece of ground. The drawing the dirt on after plaeing the stones, is so quick done, that it need not enter into the expence.

ter into the expense.

The dittel should not be filled nearer than within six inches of the surface. Sods or straw should be laid on the stones previous to replacing the ditt. The quantity of water to be descharged, and the stones upon the land, will influence us to width and depth of the ditch.

I have made my article longer than I had intended when I began to write. I am not ambitions to make a display of my farming, but to elicit attention to, and promote agricultural interests. R. II.

Danbary, May 3, 1841. . .

From the London Mark Lanc Express. On Making Ponds.

Six—Observing one of your correspondents to be making an inquity as to a method of making ponds, I take the liberty of sending you, for his information, the method practised some time ago by Mr. Robert Gardner, of Kitham, in the East Riding of Yorkshire.

Let a circle be marked on the ground sixty fect in diameter-more or less as the person chooses, or the size of the pasture may require a supply of waterand if of that diameter, let it be hollowed out into the shape of a basin, or bowl, to the depth of seven feet in the centre; when the surface of this hollow has been raked smooth, let it be well beaten over, so as to reduce it into as even, uniform and firm a surface, as the nature of the ground will admit of; on this, well slacked and screened lime must be uniformly spread with a riddle, to the thickness of two or three inches; the more porous or open the ground, the greater will be the quantity of lime required ; this lime then must be slightly watered, to make it adhere firmly to the place, and great care must be taken to spread it canally, so that no place may remain uncovered—ns on the lime depends, more than any thing else, the suc-cess of the work. On this lime must be laid a bed of clay, to about the thickness of six inches, which being moistened sufficiently to render it ductile, is to be beaten with mullets or beetles, into a compact solid body, enpuble of being trodden upon without impression or injury. Great care is to be taken in laying on this mass of clay uniformly, and beating it into a compact body; for this purpose no more must be spread at a time upon the lime than can undergo the beating, while it retains a proper temper or consistence for the purpose; after the whole is thus finished, it is gone over several times with the heaters, and sprinkled each time with water, and care is taken to prevent any cracks being formed, which might entire-ly destroy the power of retention.

Pure brick elay is not required in particular, but any tenacious earth; that by beating will become a solid compact body, will answer the purpose. As soon as this operation has been duly performed, the whole surface of the clay is covered, to about the thickness of a foot, with broken chalk, fine gravel, or the chippings of monldering stone, or limestone to prevent any injury being done by the treading of cattle .--It is necessary to observe, that course at mes aught not to be made use of, as they are liable to be displaced by the treading of cuttle. They are also liable to be pressed into or through the clay, or to be rolled down to the hottom of the pond; under all which corcumstances, the beds of lime and clay are liable to be broken, and the water consequently let out of the pond. Sometimes the clay is covered with sods, the grass side being laid downward as a support to the gravel, by which some saving of the covering may be made; or a covering of earth may be used, where gravel and such like are acarco. After the clay has been well benten, some workmen water the satisfies of it, and fold sheep or pigs for a considerable time upon it-the treading of which is found to be serviceable in rendering it more compact.

The best seaton for making these pends, is thought to be in autumn, as they are then likely to be filled the soonest, and the least ballet to crack beir re they are filled. Should the weather prove dry at the time they are finished it is well to cover the surface with straw, or litter, to hinder them from cracking.

These ponds are usually made at the foot of some declivity where, after beny rains, where may run into them from the road, but many are placed without any such assistance, it being found that the rain which falls upon their surface is in general sufficient for a supply, after they have been once filled: for this purpose snow its sometimes collected and beaped upon them the first winter after they are finished. One of the size above given, he says, may be executed for

about £15, and will contain above 700 hogslands of water. One of forty-five feet in diameter, by five in depth in the centre, will contain about 601 hogslands and may be executed for about £12. This is a vast supply at a small expense. The wither thus present on excellent quality, when not injured by the centre.

Much might be said upon the excellence of this plan, but I will refinin from treepassing upon your valuable columns, by giving any observations of my own, thinking they may be uncalled for.

1 am, Sir, your obedient servant, YEOMAN OF KENT.

Keep your Land Dry.

The importance of draining is not duly appreciated, nor its practice well understood, among us. Although water is indispensable to vegetation, too much of it is as huntful as too little. It is necessary to the germination of the seed, to the decomposition of the vegetable matter in the soil, to the transmission of the food from the soil to the plant, to its circulation there, and to the maturity of the product. All these useful purposes are defeated, where water remains in the soil to excess-the seed rots, the vegetable matter which should serve as the food of the crop, remains ansoluble, in consequence of the absence of heat and air, which the water excludes; or, if the seed grows, the plant is sickly, for want of its proper food, and there is consequently a virtual failure in the harvest .-It is not from the surface only we are to determine whether land is sufficiently day to sustain a healthy vegetation; but we are to examine the surface stratum, into which the roots of the plants penetrate, and from which they draw their food. If this is bubitual ly wet-if it grows marshy plants-if water will collect in a hole sunk tifteen inches below the surfacethe land is too wet for cultivated crops, and means should be adopted to render it more dry. From my partial acquaintance with this country, I feel assured that much of your best land is rendered unfit for tillage, or the growth of the finer grasses, by reason of the excess of water, which passes or reposes upon the subsoil unnoticed by the cultivator. These lands are denominated cold and sour, and they truly are so .-Cold sour lands are invariably wet lands below, if not upon the surface. But if the superfluous water were judiciously conducted off by efficient underdrains, (for the construction of which, you possesthe best uniterials in abundance,) these lands would be rendered warm and sweet, and highly productive, and the outlay would be repaid by the increased value Wet lands are gen of two or three of the first crops. erally rich lands, abounding in vegetable matters, which water has preserved from decomposition, but which readily become the food of plants, when the water is drawn off. Let me imagine a case, which I am sure will be found to exist in many parts of your country. There is a slope of a little hill, half a mile in extent, terminating in a flat forty rods wide, through which a brook meanders. The soil on this slope, and in this flat is of a light porous quality, six to twelve inches deep, reposing on a subsoil impervious to water, as clay, rock or hardpan. By soil, I mean the upper stratum, in which vegetable matters are blended with earthly materials, and which constitute the true pasture of plants. Near the top of this slepe, all along on a horizontal level, or perhaps lower down, sponts or springs burst through the subsoil, a thing very common in hilly districts, the waters from which linding an easy passage through the bose soil, spread and run down the slope, and upon the subseit and through the flat, till they find their level in the brook. A thermometer plunged down to the subsoil, will indicate, at midsummer, a temperature probably not greater than 60° whereas to grow and mature many of our lest form crops, we require a best in the soil of 70° or 83°. How shall we remedy this evil, and render this land profitable to the occupant? Simply by making an underdrain or drains, in a gently inclining direction; a little below these spouts or springs, and practicable, somewhat into the subsoil. eatch and conduct off the sponting waters, and by laying the lower plane dry and permeable to heat nir, develope all its natural powers of fertility.

I will suppose another case—that of a fint surface, underlaid by an impervious subsul. This is rendered unproductive, or difficult to manage, by stagmant waters. The rain and snow waters, penetrating the soil, are arrested in their downward passage, by the subsul, which not having alope to pass them off, they here remain and stagnate, and putrify, alike prejudicial to vegetable and animal health. The node of draining such grounds, and of rendering them productive and of easy management, is first to surround

sufficient open drain from the outlay to earry off the waters. Then with the plough, throw the land into ridges of twenty to thirty feet in brendth, according to the tenneity of the soil, in the direction of the slope, and sink an underdrain in each of the furrows between the ridges, terminating them in the lower cross drain. The unterials of the under-drains, which are generally stones, should be haid so low as to admit of the free passage of the plough over them. superfluous water, by the laws of gravitation, settle into these drains, and pass off and the soil becomes dry, manageable and productive. An acquaintance ed upon a Scotch farmer whose farm and been underdrained in this way, and being informed that the improvement cost sixteen dollars an acre, tile having been used, remarked that it was a costly improvement. "Yes," was the farmer's reply, "but it cost a deal mair not to do it," which he illustrated by pointing to an adjoining farm, like situated. which and not been drained, and was overgrown with rushes and with sedge grass, and then to his own fields teeming with luxuriance and rich in the indications of an abundant harvest,

I have dwelt upon the subject of draining with more detail, because I have personally realized us benefits, and am sure it may be extensively gone into with certain prospect of reward.—Judge Buel.

> For the New Geneses Farmer. Scraps of Information. LIVER COMPLAINT.

MESSIS. EDITORS—Balley is an old medicine for the cure of liver complaints. In the countries west of the Allegany mountains, animals are particularly subject to such complaints, especially hogs. Repeated experiments have shown, that if they are fed with a proportion of barley while fattening—say one-third or one-half barley—their livers, when they are killed, will be found free of any defect or unsoundness: Whereas, if they are fattened upon corn or other articles, such as are generally used, a sound liver can rarely be found. In order to produce this effect, it is best to feed the barley without cooking it;—boiling it will lessen its medicinal properties.

DEAD SHEEP.

If the wool of dead sheep is not wanted for stockings, it should be sheared off from them instead of being picked off. If sheared off, it can be sorted by the manufacturers, and will be purchased by them at its fair value. It is also a great saving of labor.

STRETCHES, OR COSTIVENESS OF SHEEP.

This complaint frequently arises from dry hay be-

CURE.—To half a pint of yeast add half a pint of lakeweim water, and, from a bottle, turn it down the sheep's threat. Dose it in this manner once in two or three hours, until relieved.

This medicine operates by dissolving the contents of the bowels by fermentation, and will generally operate when all other medicines foil—is a cooling and safe remedy. Doses of two or three quarts should be given to oxen and cows afflicted with dry murrain, which is similar to the complaint among sheep.

Pointoes.—Sheep are not fond of Pointo tops, especially when they are full grown, or getting old—therefore, if your potatoe patch becomes too grassy or weedy, either before or after booing, turn in your sheep, and they will shortly cut down the grass and weeds—only be enreful to turn them out as soon as they have fit ished the grass and weeds.

HOGS IN PASTURES.

I have conversed with many farmers upon the subject of letting hogs in upon pasture ground, and I find upon inquiry that a majority are in favor of letting old hogs in upon pasture ground, and think that they add to the quantity of pasturage without injuring the quality. My own impression is the reverse of this—but I find so many large farmers against me that I should be plessed if you would inquire into this subject and notice it in your paper.

Ohio, July, 1841. COMMUNICATOR.

The Flowers of Summer.

Since our last article on flowers was written, we have seen the Maheka rose in its glory; and when its tall stems are properly supported by a trellis, its dark flowers make a fine display. The Caroline rose is well adapted to the same treatment.

The Greville rose stands on the south side of a board tence; and with no other protection, it has endured the winter without damage. The flowers varying from pure white to almost red purple, even in the same panicle, present a pleasing contrast of co-

At different times, we had procured trees of Magnolia glauca but they could not endure the sun in the open border, though the soil had been enriched for the purpose. Accident, rather than judgment however, induced us to try one on the north side of a board fence; and it has grown finely, producing this season, for the first time, two of its white fragrant flowers. Sand with a large portion of muck from the woods, constitutes the soil.

Our purple Chinese Magnolia, mentioned at page 81, (where its specific name should have been printed obovata) two or three years ago shewed in its vellow leaves that it was suffering from an ungenial soil; and we procured sour earth-such as corn would awindle in, from the northern part of Seneca county. This material was applied three or four inches thick to the bare roots, and covered up with the soil that had been removed to give it place. In a few weeks the leaves assumed a deeper green; and two of those shrubs, which have been treated in this way, might now be chosen as samples of a healthy vegeta-

Verbascum speciosum grows six or seven feet high, and appears to be perennial. The stem supports more than fifty lateral branches, crowded with flowers of a golden yellow which in the morning beam are uncommonly brilliant. In the afternoon it seems to fade, the flowers contracting or falling off; and in the evening it is nearly bereft of beauty. In the morning it is again renewed; and continues to bloom in this manner for a long time.

The double white Camponula persicifolia has blossomed with us for the first time, and equals our expectation. This species in its toilage as we'll as its flowers, is among the most elegant of that wide spreading genue.

Yucca flaceida was mentioned last year; and remains to be a favorite. Its large white flowers continue long in bluom; and its leaves which are ahundant and more than a foot in length, are as green in winter as in summer.

Severe as the drought has been, Bocconia cordata disregards it; and from a deep factitious soil, sends up stems seven or eight feet high. The light blysh of its petals before they open, which though small, ere exceedingly numerous, is very conspicuous and pleasing.

Macrotys racemosa, degraded in some districts under the name of Black Snake Root, is much admired for its delicate white flowers. Where it is rare, and no prejudice exists, it oppears to great advantage.

Hydrangea quereifolia, from the far south, has endured another winter, and retained enough of vitality to come finely into bloom. The branches even shove the snow, were not destroyed, though impaired in their vigor; but under the snow it is secure from all injury by frost.

The dwarf Horsechestnut (Esculus macrostachya) five feet high, but flat topped and spreading wide, has numerous panicles resembling spikes, projecting above the leaves, each nearly a foot in length, crowded with white flowers, and reddish anthers en long filam ants. It rombines delivery with splendor.

A year ago we grafted the rose-flowering Locust (Robiniu hispida) on the common kind, because the former was not adapted to our soil. It flowered the first season, this year it has grown finely, and is now in bloom. Some have spoken discouragingly of its duration, but so far it has done well.

The Fruit Garden.

The general introduction of fruit gardens among the freeholders of this district, would go far towards revolutionizing public sentiment on the subject of petty theft-at least of one kind. People who have grown up in the practice of taking whatever they could lay their hands on in the shape of fruit when the country was new, have in too many instances trained up their children in the same licentious habits. Steal ? no, not they-out of a neighbor's deek or enphoned; but they would plunder him of the just reward of his toil (melons, plums, or peaches,) and glory in their wickedness. They would not rob a ben-roost-that would be too mean; but they would rob the tree where the hens roosted, of every thing else that was valuable.

A sprinkling of depravity has fallen on every neighborhood-on some heavier than on others; but we think there are depredators who would alter their course, if the case could be clearly presented to their view; especially those who have any thing of their own. The boy who owns a melon patch and has to guard it, will be not much disposed to plunder his neighbors. A fellow feeling strengthens his virtue. His mind, in grasping the arguments that show his own rights, perceives that they apply with equal furce to his neighbors, and he learns to respect

By way of illustration let us supposs a case. Band C owning village lots devote them to different crops. B plants no trees-trees cost money, and years may pass away before they come into fall bearing. He is satisfied with the kitchen garden, and its cabbages, onions and potatoes; while C looking further a-head without neglecting his immediate wants, is preparing to have the cherry, apricot, plum, peach, pear and apple, and in process of time he is rewarded for his expenditure, toil, and care Now the whole subject of begging or plundering fruit, turns on one question : Has B any more right to C's peaches than C has to B's cabbages? Let them barter, or let them buy; but the honest and honorable who have duly considered the subject, can put in no other claim, and apply on no other condition.

It has long been a general custom throughout the country with them that have fruit, to share it with their neighbors; and in many instances to keep the smallest share for themselves. It has not been because the proprietor wished to have it so, but because he was not prepared to assert his rights in opposition to a public sentiment generally expressed. He did not wish to be called stingy, and therefore calmly, though reluctorily, submitted to be plundered.

Before wa planted our fruit garden, but while we were contemplating the subject, we became satisfied that a new stand must be taken-that we must assert and stand by the assertion, that the fruit was exclusively ours-to use it, to sell it, or to give it nway, to whom we pleased, and to nobody clse; and as we knew that some singularities may be indulged in, without impairing a person's character, we determined to try the experiment. We therefore laid down the rule Not to gire fruit to them that ask for it, subject to such exceptions however, as might be right and proper; and we have found it to work well. It ia the only way to make a fruit garden worth having ; and we would strongly recommend it to every proprietar who wishes to enjoy the fruit of his own labor, +

A Basket of Cherries.

Every bedy has eaten cherries; the common red, "sour enough to make a pig squeal," is the companion of every farm house. What a pity that we should rest satisfied with this miserable apology for a very superior class of fruits!

I have just had the privilege of tasting several kinds received from the garden of our friend D. Thomas, and beg leave to communicate somewhat of my enjoyments and conclusions, to those readers of the "Farmer," who are as uninformed as I have hitherto been, on this subject

First, I was introduced to the "Early Richmond;" pretty fair thought I, as I drew down the corners of my eyes-sugar enough added to its rich, though not high flavored pulp, would give as good pies before we had any thing else. "Tronsparent Guigna" rich and high flavored, not quite sweet enough to suit my taste. "White Tartarian" a very fine deliciona cherry, no one would say "hold, enough," with a dish of this fruit before him. By this time, I began to think "D. T." must have a very fine collection, and felt a good deal like stopping by the way in company with the good friends mentioned above, but finally concluded to join hands with the "Carnation:" for size and beauty of appearance this cherry has few rivals; its skin is sufficiently capacious to hold half a dozen of the common red (if snugly stowed) and then its complexion so beautifully mottled I who could refuse eating it? I did not try; and although some charge it with having a bitterish taste, I did not hesitate to say, that no prudent man would refuse it a place in his garden. There was a bunch on my right hand, which in my eagerness I had almost overlooked, it was the "Black Tortarian," for many years considered as standing without a rival, and when I state that it is thought very small unless three fourths of an inch in diameter, and that its juice, pulp, flavor, and bearing qualities are in proportion to its size; perhaps my readers will say as the boys do, " N. C." (nuif ced.) Animated with my success, I now determined to push my discoveries farther, and seized upon a long, black, rakish looking fellow called 'Elkhorn," and by making "two bites," ancceeded in dividing it; not that it was tough, by any means, but it justified Prince's description in "being sufficient. ly hard to carry to market." This quality was not very pleasant at first, but after repeated trials we found that a most delicate aweetness was left in the mouth, which even the remembrance of the one previously described could not extinguish. In this of inion, my wife (who in my estimation at least, is no meen judge of these matters) entirely concurs.

One more, the "Elton"-and lest I should tax the nationce and credulity of those who have read thus far I will briefly say that it is a new cherry, a cross between the Yellow Spanish and the White Heart, and taking all things together " we ne'er shall see its like sgain." In this opinion I am borne out by those best qualified to judge. It is not to be understood that all the kinds spoken of ripen at the same time, but with a few of them there is much inequality, some being ready for the table, while others on the same tree are quite green. W. R. SMITH.

Macedon, 7th mo. 23, 1841.

The Curculio shut out.

A cultivator of fruit informs us, that soon after the flowering season, wishing to preserve some fine specimens of a fine plum, he made bags, " of that thin stuff, you know," said he, "that women make caps of," and inclosed portions of the bearing branches. The result is, that those portions are thickly covered with fair untouched fruit, while it has entirely fallen. in consequence of the attacks of the Curculio, from

A Visit to Mr. Sheffer's Farm (in Whentland.) It affords us much pleasure to publish the following

secount of the operations of our friend Sheffer. Farmers would find it greatly to their advantage to visit each other more frequently; and we wish our friends would oftener eend us their observations on the management and success of their neighbors. Mr. Sheffer is a plain hardworking every-day farmer, enjoying no greater advantages than are possessed by thoueands of others in our land .- Ens.

For the New Genesce Earmer.

Messas. Entrons-In making a visit to our townsman, George Sheffer, last week, I was so well pleased with what I saw of his management, that I am induced to send you a short exceed of my observations.

Mr. Sheffer's farm consists of 360 acres, and has been in the possession of the family 51 years. It is situated a little below the mouth of Allen Creek, and is part of the farm that was purchased of Indian Allen, so called. About two-thirds of the land is Genesee Plats, the remainder undulating oak land.

In etock, Mr. S. is doing a fair business, with cattle, sheep and hogs. His cows, (of the native mixed breeds.) cannot probably be excelled in Western New-York; and his other cattle are also fine. He has a thorough bred Durbsm bull, pure white; and a full blood Dovon bull. He is this year breeding from the latter. In his pasture I saw a pair of young horses, of the Sir Isaac stock, very large and fine. Of sheep, he has some of the improved Leicester and some of the Merino breed; both kept distinct. He gives the Leicesters the preference, and save the greater quantity of wool they afford, will more than make up for the lesser price; besides, they are onethird better for mutton. He said nothing of the difference in feed; and if that was taken into the account, I think the balance might he in favor of the Merinos. His hogs are of the Leicestershire breed. with a small cross of the Byfield. He has 63 one year-old store hogs, wintered mostly on cooked roots. (Potatoes and Mangle Wurtzels we presume. Eps.) They are new running in the clover pasture, with about the same number of pigs, all in fine condition. He kept his hogs in close pens through the winter. and thus made 100 loads of first rate manure which he applied to the land for his root crops. (I am of the opinion that he might improve on his pig management, by feeding boiled corn with his roots; and if he had it ground and slightly fermented it would be still better.)

In wheat growing, Mr. S. is not behind his neig bors. He has 110 scres, mostly extra-fine, for this season. Some on the flat was injured by the winter and the high water this spring, and is consequently quite thin; but it is not filled with cockle or chess, as some of the renders and correspondents of the Farmer might suppose; on the contrary, not a stalk of cockle could be seen, and in going more than 200 rods ground and through his wheat. I only found one solitary root of chees, and that he said was chargeable to me, for I furnished him the seed. If the advocates of transmutation would take a walk through his wheat, I think their faith would be somewhat shaken; for here, if any where, is the place for wheat to turn to chess; when it has been severely frozen, and covered with water.

Of Corn, he has 17 acres, planted on sward land, turned over and well harrowed, (after being covered with manure.) This crep looks remarkably well, and if the weather proves favorable will afford a great yield. In passing through it, I could not discover any pumpkin vines, and was informed by Mr. S. they would not grow in the shade, where the corn was so ib.ck.

He has 27 acres of Oats, a part of which are on the land where his root crops were raised last year, and ere very heavy. The remainder are on sward land turned over, rolled and harrowed in; these bid fair to afford a good yield. He observed that if oats did not fetch three shillings a bushel, he fed them out.

Of Barley, he has about 10 seres, half of the sixrowed, and half of the two-rowed kind. He gives the latter the preference.

In Root Culture Mr. Sheffer is quite at home, and is operating with a masterly hand. His long, straight rows of Beete, Carrots, Potatocs, and Ruta Bagse, ere a sight worth seeing. He has nine acres of notatoes planted in drills, manured in the rows, of the Roban, Mercer, and Ox-Noble or large pink-eye varietics. He expects they will average four hundred bushele per acre. Next are two acres of Mangel Wurtzel, in rows tweaty-seven inches apart, and the plants from six to nine inches apart in the row. Then two acres of Sugar Beets, three acres of Carrote, and four acres of Ruts Bagas, all in similar rows and all looking very even and thrifty. With ruta bagas he is very successful. He is very liberal with seed, using three pounds to the acre. The amount of labor expended upon the root crops, including preparing the land, seeding, thinning, and twice dressing has averaged about ten days work per acre.

In taking a peep into his garden I found another sight that but few farmers can exhibit. A good assortment of vegetable luxuries, all thriving in their preper places, and free from weeds. His melon vines were so fine that I enquired his mode of culture; and was informed that he first opened a trench about two feet wide and one deep; this is filled two-thirds full of heg manure and the other third a little rounding with river sand, on which the seed is planted.

The cider mill is but little used. With his large orchard, Mr. Sheffer only made three or four barrels of cider the past year, and that was used for vinegar and apple-sauce. No spiritous liquors are used on his farm. The apples are mostly fed to stock.

Last, though not least. I took great pleasure in viewing the Apiary. Mr. S. has 16 swarms of bees in Week's Vermont hives; with the boxes or drawers filled or nearly filled with fine white honey, and the little workers busily stowing away their treasures for the owner, who says, Go on, industrious bee; I will only take what you can well spare from your store. With these hives the honey can be taken of any time without destroying or disturbing the bees.

Respectfully, yours, RAWSON HARMON, JR. Wheatland, Monroe Co. July 17, 1841.

Berkshire Hogs.

A. C. Blackwell, of Round Grove, Mo., requests " a full description of the never-varying flesh marks of Berkshire hogs," adding that there are a great many imported into that State as Berkshires, some white with black spots, others black with-white feet, face, and the tip of their tails. He wishes the necessary information to prevent imposition on himself and many other subscribers. We hope some one, properly informed in this particular, will give the necessary information in our next number; just observing at present, that a very large portion of the Berkshires now in this country are of the color our correspondent speaks of .- black, with white face, feet, and tail tip. (not exactly nine white hairs in the tail, as some have humorously and sarcastically said;) some others are spotted; and some are even noticed on the most respectable authority, as being white. We consider the shape, not the color, as the distinguishing feature, and as this cannot be easily described by words, we must either refer our correspondent to some well executed portraits, which we have rarely seen ourselves, or to boar with his eage weighed 280 lbs.

what is far better, to the living specimen, obtained from some honest and competent importer and raiser of the breed. We hope to see something more satisfactory from some of our correspondents under this head next menth.

For the New Genesee Former.

Sugar Beets Plough Late and Plant Early.

Messns. Epirons-Finding that some of our best Farmers had abandoned root culture. I inquired tho reasons: "A puttering busines.—hired men wen't work at it," "increase den't pay the malting," &c.

Now if the time employed in digging, and picking up small potatoes in the fall was spent in hauling long manure on to a single acre of ground and ploughing it under, this acre would be ready early in the spring for sugar becto with harrowing only. Plant as early as the ground is dry enough, thin out and transplant as soon as the beets are three or four inches high, and by the first July some of the beets will measure five or six inches in circumference. I admit that if a piece of ground is half ploughed in the spring and planted just before the droughts of summer commence, that the culture of bects will prove a puttering business. and the increase will not pay the malting.

SENECA

Waterloo, July 18, 1841.

P. S .- I have now sugar beets in my garden, selfsowed and transplanted in May, that will now measure four inches in dismeter above the ground-heavy clay soil.

> For the New Genesce Farmer. Wheat Culture.

MESSRs. EDITORS-Having been a reader of the Old and of the New Genesee Farmer from their first establishment, I have observed that some branchcs of agriculture have been much neglected, while others of minor importance have received their full share of attention. I refer to our great staple wheat, as one of the much neglected, yet one that interests us more in this vicinity than all others. Now why it is so after se many repeated calls. I leave for others to say, and propose to break the ice on this subject by briefly giving you the results of my experiments.

The field contained six acres of land, principally occupied with Canada thistles, and on which a Florida war had been waged for twenty-five years or more, with little prospect of success or termination, coating, as is always the case, all that was obtained.

In 1837, in the latter part of May, I broke it up, and drew on it about one hundred and eighty loads of manure. I ploughed the ground deep four times, and harrowed it as often, in the heat of summer. From the tenth to the fitteenth of September, I spread tho manure on the ground, sowed the wheat at the rate of one bushel and a peck per scre, and ploughed it in, and then passed over it lengthwise with a light harrow. The result was, that I killed three instend of two birds with one stone, for I harvested three hundred and forty one dozen sheaves, a part of which being thrashed by itself, gave one bushel to eleven and a half sheaves. The wheat was the red chaff bald, and the soil was a black learn with a subsoil of clay. Proof of the above can be furnished if needed.

In the above piece it cost me but little more than other fields of similar size, I received about twice as many bushels of wheat, killed the Canada thistles. and my ground is in good condition for after-crop-AUGUSTUS D. AYERS.

Romulus, June 26, 1841.

Pig Sale .- J Lossing of Albany has sold a Berkshire boar and sow, the former for \$200, and the latter for \$300, to W. P. Curd of Kentucky. The

For the New Genesce Varmer. Inflamable Gas exhaled by Flowers.

Messes. Editors-Having recently tried some experiments on the Dictamnus rubra, or Red Fraxinell, I have thought it desirable to communicate the result of the same through the medium of the Farmer.

The Distamnus rubra (and alba) is one of our most bardy herbaccous percunial plants, and is universally admired, not only for its great beauty, but also for its peculiar fragrance. Its bright leaves, its erect position, its long spikes of fine flowers, cannot ful to attract the attention of the most casual observer.

In some nursery catalogues it is stated that this plant exhales an inflammable gas; yet probably but few persons have tried any experiments to test this pe culiar property of this plant. A few days since, having several of these plants in full bloom, (and it is only when in full bloom that they appear to emit the strongest odour,) I repaired to the garden in the evening to try the experiment. On applying a lighted candle to the base of the spike of flowers, it instantly exploded, and in a moment the whole flower was enwrapped in a blaze. On applying the candle to the top of the flower, it had no effect. When applied half way down, the gas only above that point would explode, but none below; and thus the explosion was only complete when the torch was applied to the base of the stem or flower.

I also tried the same experiment on the Dictamnus alba, which produced similar results, only that the quantity of gas emitted from this plant appears I to b. much less than that emitted from the rubra. The explosion is something like that produced from the ignition of a small quantity of gunpowder; yet it produces no injury to the flowers.

P HODGE

Buffalo Nursery, June, 1841.

For the New Genesce Farmer. Best Time for Cutting Timber.

To THE EDITORS-Your article in a recent number of the Farmer, under the above caption, is on an important subject, and centains some valuable suggestions I coincide with you in opinion that the summer is the best time for cutting timber; but not that every period of the summer is equally good. In the early part of theseason the flow of sap is so abundant, that the retention of the juices in the pores of the timber is liable to produce fermentation, and consequently, premature decay. If there be a period when the circulation is almost inactive-when the sap nearly ceases to flow and the bark to run-it appears to me that reason would designate that as the most proper time to perform the work. The qualities of the sap, instead of being watery and abundant, as is the case early in the summer, will have become concentrated and viscid; and instead of bastening decay, will no doubt contribute to durability.

That there is such a period, is a well known fact. It occurs in the month of August, a few days earlier or later, according to circumstances, but generally from the 15th to the 20th, and continues only for a very limited time. If the weather is dry, its continuance will be somewhat longer. Persons who are in the habit of inoculating fruit trees, select the period of the antumnal flow of sap, which is from the 1st to the 10th of September, as the most eligible for propagating some species.

I have frequently had timber cut in August, and 1 can certify that the wood is very compact and solid. It has a different appearance from that cut in winterlooking and feeling as if it had been oiled. My own

timber has been cut according to the old Dutch rule, in the dark of the moon in August, - which is as near the exact time, as any person, relying on lunar inthience, could approximate to it; and every third year the rules might very nearly correspond.

The period mentioned, appears to constitute something of a crisis in almost all vegetation of a ligneous character. The simple belting of a tree, will so effectually destroy vitality, that not a sprout will ever shoot up from the roots or stump. It is the only time at which I have ever even partially succeeded in subdning the "round cap" (Cephalanthus occidentalis) which infests our meadows and flat grounds, and which grows from the smallest section of a root. I eradicated it entirely, by a single operation, so that there was scarcely a vestige of it for several years afterwards.

Close observation is necessary, to enable one to designate the precise time when the work should be performed. The moment to begin, is when the back is T. S. P. found to adhere closely to the wood.

Virginia, 6 mo. 20, 1811.

The Hessian Fly.

Extract from remarks on the Hessian Fly, read before the Cathoun County [Michigan] Agricultural Society, by the president, Judge HICKOR,

"G: NTLEMEN-We have a fine climate, less subeet to high winds, to sudden changes from cold to het, from too much wetness to drought, from deep snow to bare ground, than is enjoyed at the east. The soil if this country is for the most part a sandy or gravelly oam: rain soon subsides in the earth, while the great proportion of home it contains, secures the crop against the dangers of excessive dryness. It is is easily culuvated, and its ingredients are exactly adapted for the production of wheat and for grazing; two branches of business which should always enter into our system of Agriculture.

But we labor under two embarassments; the one which is of paramount importance to all others, because it is the nursing mother of all of them, is the want of such a market for our produce as will induce us, by its profitableness, so to cultivate our farms as to have at least one half or two thirds of our lots in grass while the others are under the operation of the plough. In practice, this will be found indis pensable, especially where the price of Agricultura produce is low, and the wages of our labor are high

"The second embarassment arises from the preva once of the Hessian Fly, which has the last season destroyed, it is believed, more than two-thirds of the wheat crop in this country. This formidable insect This formidable insect was first discovered on Long Island, about sixty years ago, and was supposed to have been brought from Germany in a slip which transported the Hessian Army to Long Island during the Revolutionary War. It has, bowever, been well ascertained that the inscet

is indigenous in the United States.

"From the best accounts we have been able to ob tain of the Hessian Fly, it chooses for its prey the weak st plant. In this respect it resembles most other insect lepredators, who prefer to make their repasts on the delicate sacchar ne juice of plants of a stanted growth. It is a viporous, and usually deposits its eggs in the gutter on the upper leaves, and in some instances on the under as well as the upper sides. In four or five days the eggs batch, and the enterpillars crawl down the lenf to its intersection with the scalk, where they may be found beneath the sheath, so minute as scarcely to be seen by the nuked eye. This insect has two generations in a year, distinctly marked, although in scattered instances it may be found in all its various states of existence, from April to October. First generation. In spring, the eggs are lain in the latter end of April or begint ng of M 1y, and are hatched. and the caterpillars appear in May. In the latter end of May, or the first of June, they change to the chrysalis or flax seed state; at he vest a part of the chrysalis are carried off the field with the grain, but most of them remain in the stubble in their original nest at the intersection of the leaf with the stalk. The latter and of July or first of August, they take wings and deposit their eggs the latter end of August and in Septem ber, Second generation. In a few days after the eggs are laid, they are batched, and the caterpillars pass into the chrysulis or flax seed state in October. mumber of cases of remarkable durability, when the manufacture of the stage of the stage and lay their eggs the latter end of an insect not quick in monon, very shandart en, and destructive to, the manufacture of the stage of

"The fly is not found, or at least rarely, on lands that are subject to early and late frosts, such as our prairies, or the high lands on the head waters of our streams. But it would seem that the other parts of the State must be particularly subject to its invages, and that there is no variety of wheat that can long resist this formidable energy.

" Precentire -The preventives which are most likely to be efficient, are, not to sow until October; in the spring of the year, soon after the fly has deposited its eggs, while the plants are wet with rain or dew, sow the wheat field with caustic lime, or feed down the wheat close to the ground, Ly a drove of cattle, or what is better, by a flock of sheep, so fliciently large to perform the operation in a few days-not to sow a field of wheat adjoining one from which a crop has been re-cently taken—plough under wheat stubble in authurn - destroy all the voluntary wheat plants that may appear on the stubble ground before October, by the use of a drag or in some other way, and cultivate land in the best manner, so as to have no weak or stunted plants

"Rotation of crops a preventice .- But all this treuble to guard against the Hessian Fly may be saved by the introduction of a proper system of rotation of erops. A strict adherence to the true principles of husbandry admits, nevertheless, of a considerable variation."—Western Turmer.

Important Discovery -- Destroying Insects.

We embrace the earliest moment, after the receipt of the following letter, to lay it before our readers. The season is not yet so for advanced that the process may not be beneficial to those who put it in operation: M. P. Wilder, Esq., President of the Massachusetts

Horticultural Society:

Sin-Having discovered a chesp and effectual mode of destroying the Rose Stug, I wish to become a competitor for the premium offered by the Massachusetts Horticultural Society. After very many satisfactory experiments with the following substance, I am convinced it will destroy the above insect, in either of the states in which it appears on the plant, as the fly, when it is laying its eggs, or the slug when it is committing its depredations on the foilage.

WHALE CIL SOAP, dissolved at the rate of two pounds to fifteen gallous of water. I have used it stronger without injury to the plants, but find the above mixture effectual in the destruction of the insect. As I find, from experiments, there is a difference in the strength of the soop, it will be better for persons using it to try it cileted as above, and if it does not kill the mecct, add a little more soap, with caution. In corresponding with Messrs. Downer, Austin & Co., on the difference in its appearance, they say-" Whale Oil Sonp varies much in its relative strength, the article not being made as Soap, but being formed in our process of bleaching oil, When it is of very sharp toste, and dark appearance, the alkali predominates, and when light colored and flat taste, the greece prodominates. have generally used, but have tried the light colored, and find it equally effectual, but requiring a little water.

Mode of preparation. Take whatever quantity of soap you wish to prepare, and dissolve it in boiling water, about one quart to a pound; in this way strain it through a fine wire or hair scive, which takes out the dirt, and prevents its stopping the valves of the engine or the nose of the syringe; then add cold water to make it the proper strength; apply it to the rose-hush with a band engine or syringe, with as much force as practicable, and be sure that every part of the leaves is well saturated with the liquid. falls to the ground in application, will do good in destroying the worms and enriching the soil, and from its trilling cost, it can be used with profusion. A hogshead of 136 gallens costs forty-five cents-net quite four mills per gallon. Early in the morning, or in the evening, is the proper time to apply it to the plants.

As there are many other troublesome and destruetive insests the above preparation will destroy as effeetually as the resc slag, it may be of benefit to the community to know the different kinds upon which

I have tried it with succes

The Thrips, often called the Vine Fretter, a small, I ght colored or spetted fly, quick in motion, which in some places are making the rose bush nearly as bad in appearance as the effects of the slug. Apl.is, or Peach tree, and many other plants. The Black Fly, a very troublesome and destructive insect, that infe the young shoots of the Cherry and the Snow Ball I have never known any positive cure for the effects of this insect until this time. Two varieties of insects that are destructive to, and very much disfigure Evergreens, the Balsam or Balm of Gilead Fir in particular, one an Aphis, the other very much The Acarus, or red spider, that like the rose slug. well known pest to gardeners.

The Disease Milders on the Gooseberry, Peach,

Grape Vine, &c., &c., is checked and entirely destro, cd by a weak dressing of the solution.

The above insects are generally all destroyed by one application, if properly applied to all parts of the follage. The eggs of most insects continue to hatch in rotation, during their senson. To keep the plants perfectly clean, it will be necessary to dress them two

or three times.

The Canker Worm. As the trees on this place ore not troubled with this worm, I have not had an ore not troumed with this worm, and opportunity of trying experiments by dressing the trees, but have collected the worms, which are killed by being touched with the liquid. The expense of labor and engines for dressing large trees, to be effectual, may be more than the application of it will warrant; but I think by saturating the ground under the trees with the liquid, about the time the insect changes from the chrysalis state and ascends the trees, will dostroy them; or, when the moth is on the tree, before laying its eggs, they may be destroyed without much labor; in either, case, the mixture may be applied much strenger than when it comes in contact with the foilage. Laying it on the trunk and branches of the tree, at the consistency of thick paint, destroys the brown, scaly insect on the bark, and gives the tree a smooth, glossy, and healthy appearance—N. DAVID HAGEESTON. E. Farmer. Watertown, June 19th, 1841.

From the American Former.

The Rose=Bug.

This little insect wherever it is known at all, is known to be extremely destructive to some other flowers as well as the rose, and is sometimes so numerous as to destroy all the early cherries, the hautboys, the grapes, and sometimes the more delicate varieties of the neach. Many years ago I have often lost all these fruits except some of the varieties of the peach by these insects. Of late years they have dene me little or no injury, and they are nearly extirpated from my premises-they are only to be seen at the places of their destruction-these are Linden trees when in blossom. When these trees first begin to blossom about my yard and garden, at one of them ever a hard naked wall, I was surprised to find the rose bug, which had been vastly numerous and destructive for many years before, dead in great quantities under it as many as a pint or quart might be swept up under it at a time dead. My first impression was, that the bugs died about the buden tice after depositing their eggs and terminating their natural career, but such is not the fact, and I now speak with confidence after several years observation and experience when I say, the blossom of this tree destroys them, and will extirpate, or nearly so, the race from its immediate vicinity, on the farm on which they grow. This fact seems to be out of the ordinary course of nature, for we are taught to believe that all animals in a natural state are led by the wise instinct of nature to avoid that which will poison or destroy them. In rushing into the enjoyment of the delicious fra-grance and honcy of this flower, they precipitate them-

Eclives on their own destruction.

I etate this fact, for the information of florists and fruiters, and hope that those better skilled in philosophy and natural history, may solve the seconing heterodoxy.

No End to Improvement.

He that believes agriculture is perfect, and that we have nothing to do but pursue the old and beaten track, as blind anima's move round the tread mill, deserveour compassion. Nature proclaims that neither agrieulture, nor any other branch of natural science, can ever become perfect. The mind of man is capable of indefinite improvement, so are all the productions of nature. For examples, look at the valuable plants in the condition in which they were first found in their native woods. The various kinds of corn, potatoes, cabbages, fruits, &c., were all, before they were touched by the finger of culture, as unlike what They they now sre, as different species are unlike. They are all susceptible of continual improvement, all ever running into new varieties. It is not long age, that the China Tree Corn.

the potato was a useless, unhealthy vegetable in the woods of South America, where it was first found, but it has been so changed by the hand of care and in dustry, as to become large and healthy, and now supplies food for more human beings throughout the earth, than any plant, save corn and nee, and is no doubt desuned to as much future maprovement as it has received in the past. Compare the maize or In-dian eorn, as first seen in the feeble stalk and shader roasting car around the wigwain, with its hundred varieties in its present maturity, yielding in value its countless thousands to national wealth. And we are just now beginning to see the improvement of which this valuable plant is still susceptible.

The succession of the sensons-the calm-the storm -the course of the winds-the revolution of the heaplants-the influence of water, light, heat and air on the growth of vegetation-the proper composition of the various soils to furnish the greatest amount of production, will ever be subjects too broad for the full grosp of the most profound philosophers, and in the untathomable profundation of which, new discoveries will be made as long as this frame of nature shall endure. - Mo. Farmer.

Wannhuga.

Almost every year gives birth to some new word, or some new and peculiar meaning to the old word, in the English, or rather American, language, --that there will be a need of dictionary makers and new lexicons as long as the Anglo Saxon race exists. In the political vocabulary, the introduction and permanent use of new terms, has become very common. Take, for instance, the word "gerrymander"-an entirely original one, which was invented in the days of Gov. Gerry, or the words "twaddler," "loco and the like, which have obtained a political significancy, that until lately, were unknown in the English language; are not such terms evidence of the lexicographical genins of our political fellow citizens? The word "himbog," is another term which, of late years, has assumed a new significancy; and for the harmless insect that hums its merry music in the nocturnal atmosphere, has come, rather, to signify whatever in politics, religion, science, agriculture or the arts, deceives the people by promising much and performing little. And so now, whatever does not come fully up to what was premised, or rather what was expected by a misconstruction of the pretension, is familiarly stigmatized as a humbug. There is denger that we may go too far in this unceremoniously ocstowing opprobrious terms upon svery thing that does not meet our expectations. By such a premature course, we may often do real injustice to men who are engaged in great improvements. Their inventions and improvements may at first not fulfil all the expectations which were raised; still they mey be of some value and ultimately prove of great service when the full design is completed; at least their motives and intentions are good, and should receive the charity, rather than the unmeasured censure of the

Take, for instance, the experiments that are made and the suggestions which are offered, relating to No improvements can be had without Agriculture. experiments. It is not to be expected that all should succeed. But what then? shall more be made? Some may be partially successful-leaving room for still further improvement; others may be perfect at once If now a person who thinks he has made, and actually has made some improvement, publishes the results of his experiments, under the influence of that portiality which is always bestowed on one's own offspring, and an expectation is therefore raised, in less partial minds which is not fully sustainedthough there may be improvement - is it fair or generous, to denounce the whole rs n "humbug, its author as a base man and deceiver? We think not. Soms how or other, whatever gets in print, some readers are upt to look upon as having a consequence-that authorizes higher expectations than if the same thing had come to them in precisely the same words, from the lips of a neighbor. Exorbitant expectations, in this case, are the fault of the reader, rather than the writer; and if disappointment follows, the blame is not sltogether on one side.

We make these remarks now in relation to two articles in agriculture, which we notice many persons are disposed, off hand, to denounce as "humbugs, because expectations have been raised, either through the faults of readers, who ascribe an undue impor-tance to what appears in print, or to the writers who under the influence of a parental partiality have described them. We allude to the Rohan potatoes and

For ourselves, individually, there was slways something from the first and earliest descriptions which we any, that led us to doubt whether the Rohans were much better pointies or greater yielders that the long reds; and so we never recommended or said much about them-rot choosing to make any experiments, or to give the results of them to the public. But these are called a "humbug," Wherefore! Do they not yield largely! They do, Very largely! They do. So much then is gained. Are they not better than many other potatoes for cooking? It was never pretended that they were. On the conmany, it was always and, they were not very good the cultinary uses, and were more appropriate for cultinary uses, and were more appropriate for stock. In this, then, there was no deception. Coll them "bumbing" if you will; nevertheless they are great yielders; and if it so bappened that we in Maine have another sort, not thus made conspicuous before the public by accounts of them, which yield as much-the good luck is ours-no one is injured by the Robans. Why then should such terrible judgments be decreed against the New Yorkers who produced and complimented a new kind that yields so well in that state. People here were auxious to try The seed stores were called upon to precine them. The seed stores were called upon to procuse them. They did so to oblige ensumers. Purchasers bought one or two each and tried them. If they did northind them the best potatoes in Maine, and the greatest yielders ever seen, why should the seed atores be blamed for enabling them to try the experi-

And now of the Chins Tree Corn. We can speak more experimentally of this. We tried the experiment on a liberal scale, not for our own, but for the public benefit, and gave the result of our operations to the world—just as they were. So that others had the knowlege at our cost. We never said that the China Tree Corn was adapted to our latitude. That was a point to be ascertained. We found out that it is not, and we told the public so.

It should be recollected that Thorburn from whom the seed was obtained, resides in the city of New York. His crop was mised on Long Island. His descriptions of its capacities related to that latitude. He never said it would flourish and ripen in Maine; and if we choose to try the experiment here we must do it at our rick, and if it failed, not blame the corn for what it could do in the Middle States, but could not do in Maine or in Canada. We have no doubt that it is a very early corn for that latitude; and that what Thorburn said of it is mainly true, so far as relates to the region where he raised it, which was the place of his descriptions. He never said that it grew like trees bearing cars on branches. This was an emendation made by the conjecture of some secular editor, for whose description Therburn was not responsible. The truth is, it is a tremendous great corr It grows like a forest, and will yield, in climates sui-The truth is, it is a tremendous great corn, ed to it, beyond any corn we ever saw. This we pred by actual experiment. The year we plant ved by actual experiment. as we did on a large scale, the season was and wet. It did not have a fair chance with : still femful as the odds were against us,having been raised three or four bundred i of us, the most of it did ripen. Last year ed some from our own seed, and that we yet, that it may not be acclimated and become for us in Maine. corn for us in Maine-bating its exhe ties-for it will exhaust the land natural where a greaterop is yielded.

People may call it a "humbug," nt it is no humbug in New York r for we very frequently see accounts ral journals of those states, setting various places of its successful cultu-mous vield. We ought not, in I mous yield corn to flourish here, which is ada, States.

People brought it here from curio gratify this curiosity our seed stores t on sale But who was really inju one in an hundred bought even a cost the capital sum of twenty five procured but a few kernels at a price This expense, therefore, could not b injury to any one, and certainly not, lost by its occupancy with the plani the opportunity to try the experiment; did without injury to themselves. If the isfied-well; if they were not, let them in if they had been imposed upon and robbed of a summer's work, and their farm to beot. It is we. try experiments, though they fail sometimes.-Mair Cultivator.



ROCHESTER, AUGUST, 1841.

Apologies and Promises.

The absence of the managing editor during the past month, must serve as an excuse for any defects that may appear in this number of our paper. For the sams reason we have not yet completed the new arrangements alluded to in our last. We can assure our readers, however, that such measures are in progress as connot feel to give them increased satisfaction. A new Power Press will be procured expressly for this work, and a better quality of paper will be abteined, so as to improve its appearance and secure punctuality. More attention will be paid to the editorial department than heret fore, and more aid is expacted from valuable correspondents-sa much for this time. Now have patience with us readers; and see if we do not perform all that we have promised, and more too, before meny months.

The Fair at Syracuse.

Our readers will not forget the State Agricultural Fair to be held at Syracuse on the 20th and 30th of next month (Sept.) The place selected is a good one, and articles for exhibition can be transported there with little risk or expense. We trust the farmers of Wes'ern New York will do themselves credit on the occasion. For list of premiums, &c. see last month-further particulars hereaf.er.

Mouroe County Agricultural Society Notice.

The Officers and Town Committees of this Society will please remember the meeting on the 25th August. The town Committees are expected to make their reports at that time, and arrangements are to be nade for the coming ex-

COUNTY AGRICULTURAL SOCIETIES.

otices of the formation of a goodly number of county sois have appeared during the past month, but having absent till almost our day of publication we are unable hem that attention we could wish, and some must entirely till next month. We intend to publish t of the societies in the State, and give the cers and time of holding the fairs, in the ounties.

3yuga County.

"mized at Auburn, July 22, 1841. A and the following persons appoint-

wland, Le lyard.

waland, Le iyard,
M. Shewwood, Anburn ; Loring
lell, Brutus; L. M. Hollister,
z; D. O. Burkee, Ira; Win,
Jathias Hutchmson, Genea;
d Bell, Mentz; Isaac Sisson,
wasco: Jonathan Ruchmond,
itus; John W. McFatlen,
c; Martins Vandedly, den,
U. F. Doubleday, Sepio;
Irane, Springport, Martin rane, Springport, Martin

Richardson, Auburn. /m. C Beardsley, Auburn.

lopkins, Auburn ; Thomas lopkins, Auburn; Thomas ottus; Silas Dudley, Cato-muel Phelps, Iras, Elijald dhor, Genoa; Isaac Cadi-tz; Mr. Sherman, Locke; White, Ledyard; Josiad Cooper, Sterling; William Victory; Win. Webster, ¡ John Rooks, Nifes; Peter arsulale, Summerhill.

e Constitution.

of connecting himself with Treasurer fifty cents at the ber, and one dollar annually duculay and Thursday followuntinuance as a member Ao; a admission may become a mem-ember wishing to withdraw from dues and give a written notice to of his intention. § 5 There shall be an annual meeting of the Society on the 24 Wednesday and Thursday following in October, at Auburn, (or at such place as the Board of Managers shall direct) for the purpose of holding the regular fair and exhibition of domestic animals, manufactures, and articles, the p. oduce of the farm.

The officers of the Society are requested to meet at the American Hotel, at Auburn, on the 13th day of August, at 11 o'cluck, A.M.

Seneca County.

An Agricultural Society for this county was formed at Fayette on the 29 h of June, 1:41. The following persons were appointed officers :

Fayette on the 29 h of June, 1841. The nonwing persons were appointed officers:

Parsinext.—G. V. Sarkett, Seneen Falls.
Vice Preservat.—To. Join L. Bashian, Lodi; George Woodworth, Cavert; Andrew Buniap, ir. Oyd; Elipia Benton, Romaius; Thomas Burroughs, Variek; P. H. Oakley, Fayette; Joel W. Breon, Waterlou; Silas Vanderbark, Jimus; Jason Smith, Tyje; Deming Borndinar, R. A. Borton, Senetarary.—A. B. Burlap, Oyd
Correspondent Senetarary.—Someth Williams, Waterloo,
Treasuren.—Join D. Coe, Romaile:
Taw Commission of the Property of the

The list of promions, &c., will be published in the "Ovid Bee "

Eric County.

A meeting was held at Buffalo, on the 22d of July, to organize an Agricultural Society-Henry Johnson of Lancaster, in the chair, and Aaron Riley, of Aerora, Secretary, Horace S. Turner, Benj. Hodge, jr. Alex. Hitchcock, John Websier, and Palmer Bowen, were appointed a Committee to report a Constitution and Bye-Laws, at the next meeting, to be held at the Court House in Buffalo, on Saturday, August 11th. W. Attend. Farmers!

Niagara County.

This society was organized at Lockport, June -. The officers are

William Parsons, President.

John Gould, jr., C. H. Skeels, Tree Presidents. D. S. Crandall, Recording Secretary. Joel McCollum, Corresponding Secretary. Win. O. Brown, Treasurer. Other particulars not at hand.

Livingston County.

A meeting was held at Genereo, and a "ociety formed about a month since, but the particulars have been mislaid in our absence -will give them next mouth. We egain reneat our request that the Secretaries will send us accounts of the formation and proceedings of Societies.

What is doing in Wayne, Orleans, a hatnuque, and several other counties in Western New York, not heard from 1

To the Officers of the Cnynga County Agricuftural Society.

GENTLEMEN-It will be seen by reference to the proceedings of the meeting held on the 22d inst., for the purpose of organizing an Agricultural Society for the county of Cayuga, that by Revolution, notice was given that a meeting of the Officers of the Society will be held on the 13th day of August next, to carry out the objects of the Society.

At this meeting all necessary Bye-Laws, Rules and Regulations will be framed and adopted to carry into full effect the design of the Association. It will be the imperative duty of every Officer, President, Vice President and Committee man, to be punctually pre sent at this meeting. Too much pains cannot be to ken in laying the foundation of the Society, for on this depend the durability and usefulness of the superstruc-

ure

All the officers residing in the several towns in the county, should immediately make individual efforts to obtain members of the society, and if any such should be obtained, their names should be handed to the Recording Secretary, and the amount of their subscrip tions should be deposited in the hands of the Treasur

er, at the above mentioned meeting of the Officers.

From the spirit manifested at the meeting on the 22d inst, and the high character of the persons interestad (myself out of the question,) I have not the least doubt that this cause will be eminently successful. Let no man be discouraged on the ground that a former bern of the New York State Agricultural Society.

experiment of the kind, some 20 years since, has been tried and proved a failure; because the present ommences under much more favorable auspices. The liberal bounty of the State, the increased wealth and enterprise of the agriculturists of the County at the present time are sure guarantees of its success.

The advantages to be derived from this Society, will be increased wealth, multiplied produce of the soil, a vast improvement to all kinds of stock, enhanced beauty and comfort from fruit yards and ornamental shrubbery, and a new impulse to moral and intellectual improvement, and the meetings of the Society, the addresses delivered on such occasions, the awarding of premiums, and the novelry and bustla of the annual fairs will be sources of rational amusement, happily calculated to take the place of other amusements of a more dangerous character.

WM. RICHARDSON, Auburn, July 26, 1841. Rec. Sec'y of C. A. S.

New York State Agricultural Society.

The regular meeting of the Executive Committee of the New York State Agricultural Society for June, was held at the Troy House, in Troy, on the 16.h,-the President in the Chair

Letters were read from Messrs. H. S. Rondall, H. Munson, John H. Beach, Charles F. Johnson, A. Bergen and Jabez Burrows.

New members were admitted to the Society. Mr. Tucker introduced the following resolutions,

which were unanimously adopted: 1. Resolved, That the Corresponding Sceretary be authorized and requested to open correspondences with such individuals as he may deem proper, in the several counties of our State, for the purpose of elicit-

ing information on the following points: The present condition of Agriculture in each County, with such changes as have already taken place since the period of their first settlement-Aspect of the county-Nature of the soil-What are the principal products ?-- Where are the products marketed ?- What kinds of cultivation are in use ?--Wlat are the favorite breeds of horses, cattle, sheep, swine, &c.? How are the stock generally fattened for market? What ploughs, harrows, and other agricultural implements are in general use? What is the general value of the land? What kind of timber What agricultural changes are generally prevails? requisite to advance the prosperity of the county?

2. Resolved, That the Corresponding Secretary be authorised and requested to open correspondences with such individuals as he may deem proper, for the purpose of eliciting information on

The most profitable breeds of cattle, sheep, horses, swine, &c., for our country -- the heat and most economical method of rearing them. Their diseases and the method of treating them. The most profitable varieties and the best method of cultivating the several varieties of grains and 1000 -- The best and most protitable method of making hutter and cheese-tha most economical method of fattening domestic animele-The best and most economical method of wintering domestic animals-The cultivation of fruits-Horticulture-the most profitable Grasses-Draining -Rotation in crops--Manures--Discuses of plants, and the remedies-Destruction of noxious weeds, & c. -Construction and management of farm out build. ings, yards, &c .-- Fenecs.

3. Resolved, That the Corresponding Secretary be authorized and requested to open correspondences with such individuals as he may deem proper, in La United States and Europe, for the purpose of eliciting information on such agricultural subjects as may be of

value to the fermers of our State.

4. Resulted, That the Finance Committee be requested to address a Circular to the friends of Agriculture in this State, setting forth the importance of the objects for which the New York State Agricultural Society was formed-its inability to accomplish those objects or any useful purpose, without the aid and co-operation of the farmers and the friends of agricultural improvements generally, and the censequent necessity of an appeal to them to extend their aid to the Society by connecting themselves with it, either as annual or life members, or by contributions in aid of its funds.

Mr. B. Bement laid before the Committee a communication from Solou Robinson, Esq., in relation to a convention to be feld at Washington, to form a National Agricultural Society; whereupon,

Resolved, That the object is one of paramount importance, and the executive committee carnestly re-commend it to the friendly consideration of the mem-

Slugs on Fruit Trees.

Mans. Detrons-

hout the first of July there appeared on the leaves of pear trees in this vicinity, a small dark brown worm or , from one quarter of an inch to an inch in length, with ad much larger than any other part of the Lody, and in numbers as to threaten the trees with immediate destetion. Half a dozen of them might of en be seen feeding on single leaf, cating out the tender part like young silk wms. They in reased in numbers for about two weeks extended their rayages to the cherry trees, but I leie no other kinds were injured by them. After continutheir work of destruction for about three weeks, and pping many trees entirely of their foilnge, they began to and have now mostly disappeared. Now as I am enmly ignorant of the name, origin and history of these inas. I write this communication in hones that you or some your correspondents will throw some light on the sub-A. B. C.

Poom field July 2015 1911.

EMARKS -These slugs, as they are commonly called, have n quite too well known in this vicinity, for three or four is past. We are not sure that their operations are con-I to Wes'ern New York, although we do not recollect ing seen or heard of them in other parts. It is evident, vever, that they are every year extending the field of ir operations, and they will probably continue to do so some natural calamity destroys, or enemy devours them : however simple may be the artificial means for their truction, it seems that people are generally too idle or ligent to put them in requisition. We last year pubed several articles on the subject, and suggested some ans for their destruction (Vol. L.)

'his insect appears to be a nondescript : or at any rate we e been unable to find out its true name, or any account its history. We have discovered, however, that in its feet state it is a fly, about as long and half as large as the man house fly, but of slower motion. It deposits its eggs ing the month of June, which appear like small glutinous s or scales on the upper surface of the leaves. These n hatch and produce the slugs, which feed for about se weeks-then curl up and appear to die and fall to the and But instead of dying as most people suppose, they nge into the chrysnlis state and escape into the ground, onge into the chrysnlis state and escape into the ground, ere they remain till the next summer, and then issue th again in the form of fl.es-multiply their species, and ew their mischief.

he most common and simple mode of destroying them stofore, has been to throw dry ashes or lime over the s for several successive mornings. It adheres to their ly coat and kills them. If any of our readers have discoal any more easy or effectual method we should be pleasto publish it,-EDS.

Downing's Landscape Gardening and Rural Architecture.

The appearance of this work at the present time. ura, on the part of the Publianers, great confidence he intelligence and good taste of our countrymen. abiting a region but recently made subject to the nts of civilization, it is a matter of course that our e and thoughts should be chiefly occupied with at pertains to the necessaries rather than the eleicies of life. We were, consequently, not without feare, that our aut for had mistaken his own zeal I high estimate of rural improvement, for a someat corresponding feeling in the community, and refore, like many other writers of merit, his lae would remain unappreciated, until a more reed public sentiment should do them justice.

But we are mistaken; and if the plea of ignorance es more credit to our honesty than information, all can say is, that it is very gratifying to find the evailing taste in advance of our anticipations.

We knew indeed that huge piles of brick and stone d been erected in the vicinity of our cities and large was, with some pretensions at least, to care and la fin planting about them; but we were not aware w much had been done remote from these, far om the husy haunts of commercial life, to catch the spiration of Nature, and make her beauties subrvient to our comfort and elevated enjoyment.

We had often feasted upon the works of foreign uthors as they described the magnificent country siness.

seats of the old world; but we knew not that the noble Hudson reflected from its silvery waters the light and graceful tracery, the pointed arch and the lotty pinuncle of the Gothic style; or that the warm and rich Italian, transported from its aumny home, had found an appropriate resting place on the quiet banks of the Delawsic. But what has given us more satisfaction than all, and for which we think our author deserves much credit, is, his attempt to bring this species of enjoyment within the reach of every landholder, however humble. Republicans, as we are by feeling and education, we hope never to see the day when lordly castles, extensive parks, snatched from cultivation, and highly artificial and costly gardens, shall take the place of the elegant, but unesten intions villa, the well kept farm house, or the neat and comfortable cottage. The former how heautiful soever in appearance, constantly force the reflection upon us, that toil and privation are wrung from the many, for the gratification of the few. It is partly on this account, that an impression seems to prevail, unfavorable to ornamental planting, sa being attended with heavy expense: hence also, when a wealthy individual, wishes to improve his grounds, he thinks his object secured by the application of large sums of money; he changes a gentle slope into huge terraces, lays out his approach road in a regular curve, racks his invention to produce a fence of the most showy description; and if, behind these, rises a naked, staring front of composite columns, his success is com. plete. After all this he looks for enjoyment, and wonders why it does not come; never reflecting that the mind derives its chief satisfation from the contemplation of Nature in her varied, ever-changing forms. Lot him then whe seeks enjoyment in this particular, keep his purse strings undrawn, except to the calls of the poor and the needy; but let him with his own hands smooth and enrich the verdant turf; let him in this low corner, plant the bending willow: on that kno'l, the graceful, towering elm; lead the circuitons path through this close planted grove, contained therein to be intimately connected with the

us by their refreshing coolings; here, open to view the distant prospect; there, shut out by thick undergrowth an unsightly object; here, in an irregular plat, suited perhaps to the bend of the walk, plant a few choice flowers; and near by if possible divert the neighboring rivulet to gladden and complete the whole: Then our word for it, there will be no complaint of sameness. This would be a world within itself which would afford more of variety than all the architectural display of the city. But some of our readers are ready to say, perhaps, "all this is very well for the wealthy, but when shall we find time to accomplish a work so extensive? We reply, in the first place, wa should be glad if there was a little more attention given to the comforts of life, and not quite so much exclusive thought, in relation to getting rich. And in the second place, let every man strictly conform to his circumstances, and if his front and back yards occupy but a few rods of ground, why let him improve them in the best mannner. Is it absolutely necessary that the lawn gate opens precisely in front of the principal door? May we not have some reference to convenience? and must the straight walk be bordered with flowers in a straight line, and the whole area occupied with parallel rows of trees? In fact it is common to find places arranged in this manner which have required quite as much labor, as to have laid out the grounds in a simple and effective form-

We copy below sa illustrating our meaning in part, an engraving, representing a plantation of the simplest description: let our readers observe the close planting near the house, the wide spread lawn and the graceful curve of the approach road, then let them in imagination cover the whole with straight rows of fruit trees, shut out the best prospects, if secident docide, and lead the approach in a direct line to the house, and then mark the difference.

We hope in future numbers to give our readers a synopsis of the work, as we conceive the information the dark maple and the shelving beech invite real happiness of the community,



ITEMS

CONDENSED FROM EXCHANGE PAPERS, &c.

New Pasture for Cows-Morus Multicaulis. The American Farmer says "In a recent conversation with a friend from Virginie, he informed us that he had tried the experiment of turning his cows into the field where his mulberrics were growing, and found that they ate the leaves with great relish, and that the increese in the quantity and quality of the milk was perceptible in a day or two." Should like to know how many cows an acre would pasture,

Silk Colture .- Edmund Morris of Burlington, N. J. snnonnes the entire success of his experiments the present season in the culture of silk, by means of his newly invented silk frames. His experiments were performed in the presence of crowds of visitors, and several testimonials are given of the complete success of his frames in other places. Those wishing further information may have it by reading his "Silk Record," a small monthly, sent to all without charge, who are personally interested in the silk bu-

Hen's Eggs .- A correspondent of the Cultivator says he obtains fresh eggs the year through, by regularly feeding his fowls as much Indian corn as they will eat.

A Berkshire Hog in the possession of E. Marks, Onondaga county, gnined, while fattening, three pounds five ounces daily.

Working soil, according to Skinner of the American Furmer, is "the sovereignest thing" to prevent plants burning from drought.

Two Rules of Jefferson are very applicable to the times:-" Never spend your money before you get it:" and "Never buy what you do not want because it is chenn."

Large Yearlings .- S. Hecox of Lyons, writes, in the Cultivator, that he has two bull calves, releed from Thomas Weddle's stock of Durhams, the one a three-quarter blood, which weighed at one year old 1015 lbs., the other a half-blood, which at the same age weighed 915 lbs. Their feed during the past winter was hay and roots only.

"Butham Cows as Milkers."

We have no desire to prejudice the minds of our readers either for or against any particular breed of animals; but as the conductors of an agricultural gournal, we conceive it to be our duty to publish such facts an lopinions, on both sides of disputed questions, as will enable our readers to decide intelligently for themselves. With this view, we inserted in our April number, the remarks of H. Colman on the milking qualities of Durham Cows; and finding in the Albany Cultivator a reply to those remarks by L. F. ALLEN, we now jublish the substance of his opinions on this subject.

(Our readers will better understand the following remarks, by reading them in connection with the article on page 63.)

"In reference to paragraph No. 1 of Mr. Colman, I have never seen the herd of Messrs. Lathrop, of South Hadley; but if they are what Mr. C. represents, they must be beautiful and valuable animals, and a great acquisition to their neighborhood; although I exceedingly regret that he did not give the opinions of those gentlemen as to their value and excollence in the Connecticut Valley, and the results of expenence concerning them. A detail of their observations would have been at least more satisfactory than a summary condemnation without a hearing.

Mr. Colman and myselt visited the Ohio Company's head, which he mentions, together in company at Builalo in 1835, as they were passing through from the sea-board to Ohio, on their passage out. They were in high combition, as few or none et the cows were then in nidk, and we had no opportunity to judge of their espabilities for the pail; although I have since learned that several of the cows were great and rich unlkers. It must be understood, howover, that many of the English breeders of high bred Short Horns breed only for sale and the chambles, and do not cultivate the milking qualities of their This is almost universally the case in Ohio, Kentucky, and the Western States, where the dairy forms no part of the farming business, and stock is reared mosily for beef; but from the universal tendeacy of the true Short Horns to excel in milking properties, when appropriated to that purpose, I can have no doubt they would show as advantageously over the pail as in the stall. When it is considered also, that owing to their scarcity and high value in America, all the females are ciaployed in rearing their alves, and the bulls, instead of being converted into stores for the shambles, are preserved as stock getters, it is evident that comparatively but few examples can be adduced of their real superiority over the common stock of our country as milkers. a sufficient number of specimens have been shown, both in milk and beef, to demonstrate that in each of these qualities the improved Short Horns have excelled a'l that has yet been produced of our native

American stack,
In paragraph No. 2, Mr. C. remarks, that be wants proof of the milking qualities of the Sbort His own, seven in number, proved interior Horns milkers, although he admits that several of them, either of his own or which he had seen, were large milkers; but he believes these, exceptions to the general rule. That his own cows proved bad milkers, proves nothing. What was their blood? Were they of true and improved Short Horn descent? No data is here given for us to judge of their properties in this particular, and we are forced to pass on to

Paragraph No. 3. The Cheshire and many other dary farmers have long had an excellent stock of relected native cows, which have been propagated with particular regard to their nulking properties for many generations. Mr. Colman has traversed the whole State of Massachusetts several times, and out of the whole number of cows that he has seen among many thousands, he presents a list of one hundred of the native stock which had made from twelve to fourtren pounds of butter per week. He has also challenged, both in writing and conversation, the

wners of Short Horns to prove their dairy qual ties I doubt whether one hundred thorough brief Short Jero consecun be conveniently produced at all in the whole States of New York and Mas achievetts, so I were there in comparison with the common stock of the country. Nor do I believe five times that number of grade cows of balf-blood and nowneds, can be easily found in either State; but I will venture for seven days over thirty-five quarts per day, which the assertion, that where such earlie do exist, no

matter what their parentage may be on the native side, if they were directly locd from improved Short Hean bulls, four out of every five of them have proved superior milkers; and at least twenty per cent. better in the aggregate than the ordinary cows around And I will also assert, that of the whole number of thorough bred cows in our country, nine out of ten are excellent, if not superior mulkers, and twenty-five per cent above the accrage native cows. To illustrate this matter, as I have beed a large number of improved Herd Book animals of the highest blood, within the last six years, as well as many grade eattle from the nauve, Devon, and other breeds, I will state the results of my own experience, and also the opinions of sandry other breeders, with such facts as a basty reference will permit.

"In 1835, I bred ten or twelve half-blood beifers from three Devon and several common cows of inferior quality and appearance. They were seted by my Short Horn bull Favorite, bred near Boston, Mass., whose pedigree will be found at No. 2,009, 3d vol. Coate's Hord Book. These beifers proved, without an exception, good milkers; much shove the average, both for quality and quantity. In 1806. 7 and 8, I bred several one-half and three-fourth blood heifers, also from Devous and others, which although many of them were sold, have, so far as I have heard from them, proved superior milkers. A part of these were sired by my Short Horn bull Devenshire, No. 966, 2d vol. Cente's Herd Book. I also had, during the years from 1531 to near the close of 1639, a herd of full bred improved Short Horns, varying from 4 to ten milking cows, of which all, with one exception, (and that cow suffered an inmry in her udder when young,) were first rate milk-One cow grae often thirty quarts of milk per day of good quality. Several of them gave over twenty quarts daily in summer feed, and i them gave poor wilk, or, as the term is, milked hard. They were individually easy, pleasant milkers, with beautiful silky udders, and handsome taper tests, and were, taken together, much beyond the average run of native cows as milkers. I have now a Durhain cow that has made her twelve pounds of butter per week, and of four full-bloods now in milk, every one is a superior milker. I have also five or six half-bloods, all of which are above the average of our native cows, by twenty per cent, in their milking pro-

"To corroborate my experience, I need only mention the evidence of such gentletien as John Hare Pawell, of Philadelphia, who asserted to my father that one of his full-blooded Short Horn cows had made twenty-two pounds of butter per week for several weeks in succession; Gov. Lincoln, and Mesers. Wells, Derby, and Dearborn, of Massachusetts, who have been the owners of several grade and thorough bred cows: Francis Rotch, Esq. of Butternuts, in this State, who has repeatedly testified to the superiority of his Short Heins as milkers, and to his entire experience, probably equal, if not superior, to that of any other gentleman in America, of the superiority of the Short Horns in their purity and in their grades, as milkers. I need not add the names of many other individuals who have repeatedly testified to these facts, as a reference to our agricultura papers for the last five years will corroborate all that Japens for the fast free years with commontation and Lemank. And last of all, I will assert that Colored Jacques' faneifully yeleped "Cicampot" breed of milkers, and which I saw in company with Mr. Colored States. man himslf, are simply a cross of a thorough bred Short Horn bull with a native cow, then at Colonel Jacques' farm, of good size and appearance, of a deep ted color, and with an apparent dash of Devon blood in her veins. His bull that he then used was nearly or quite a thorough bred Short Horn, and all his heifers were high in that blond. This same stock of esttle, Mr. C. has himself highly recommended in one of his agricultural reports, and we are together living witnesses of the surpassing richness of the nells and cream of these brantial cowe. With a few selected facts, I will close this testimony;

In 3d vol. Cultivator, page 191. Francis Bloodgood's imported cow (the was a Dutham) gave, when her calf was two weeks old, thony-three and a ball quarte of milk per day. Her heed was one and a half hechels of brower's grams per day, with hay.

" In vol. 7, same work, page 132. Mr. Gower Short Horn cow Darrunaid, for seven days gave an average of thirty-thice and a half quarts per day.

"In New Genesce Farmer, vol. 1, page 143, Samuel Camby's Short Horn cow, D'ossom, yielded produced thirteen and a quarter pounds good butter.

"At page 149, same vol. John Weterhull's Sh Horn cow, four years old, gave from twenty-aix thaty and a half quarts of milk per day, and in c week produced cleven and a balt pounds of butt

and in another week fifteen pounds,
"In a Philadelphia paper of 1839, "Col. W bert's cow Isabella, a pure Short Horn, gave, duri seven days, 194 quarts, or near twenty-cight qui per day, which produced fourteen and three-four pounds butter of the finest quality. So much for ssertion that " Durham cows are not good milken "In paragraph I, Mr. Colman introduces us the distinguished English farmer, Mr. Sheriff, which was the distinguished English farmer, Mr. Sheriff, which was the state of the series of t

has made the tour of this country. If this same .

Sheriff, who by the way I never heard of before.

es protound in his remarks upon our country, its habitants and their pursuits, as the berd of Engl travelers who have hitherto trundled rapidly over for the purpose, as it would seem, of writing libele books and holding us up to the ridicule of Englis men at home, his opinion is little to be regarde His knowlede of the progress of Short Horns in] own country may be well estimated, when he marks "that they are the poorest dairy stock in En land." To this remark I need only observe, if note out of ten of the intelligent English farme who emigrate to this country, and all British public tions on the subject, assert precisely the contrar for the high grade, and often the thorough bred She Horns, have been for many years past taking t place of other breeds for dairy and milking purpos in the grazing counties, and near the large towns at cities. That he should regret the introduction of at thing tending to advance our agriculture, and o wealth, is altogether natural in an English book-m king tourist. I am only surprised that a gentlem: of Mr. Colman's shrewdness should be thus casi deceived. As to the "distinct race of American ut tle" to be yet formed, the end of all this is to be see to be yet formed, the end of all this is to be sein the continual effort at blending incongruities I those experimenters who strive, without an accurknowledge of their subject, to produce what is ready better made up to their hands in the improvbreeds now extent. Such experiments, as they li and learn, have been slways abandoned as impractic ble and visionary. There is, nor can be, no su-thing as a "distinct American breed," made up made up all our eattle are from selections from all parts of E tope, nor, if our agriculture is to be, as we hope, pr gressive in its excellence, is it desirable. Our co The last of Mr. C.'s remark is very just, and corcedes, as we view it, the gist of what we commen

"In paragraph 5, Mr. C. gives us the only resse why Durhams should not become the stock of Nev England, to wit: the poverty of its soil, and the net begine of many of the people! Truly a very broadmission, hardly just, indeed, to the snug farmers New-England, and not at all within the desideratu for which the advocates of Short Horns contend: improved husbandry, improved care, and improve stock. If, upon lands, a thousand acres of which will scarcely graze a goose, and from which the ve. vermin instinctively flee to escape starvation, the beautiful Short Horns are to be doomed to pin without care, and without sympathy, I at once adm that the less of them the better. Nor do the mistable animals of the native breeds even, which at doomed to a wretched existence on those "scant pastures," exhibit any signs of thrift as they daily au for from the "negligent babits of their keepers. True, a long course of neglect and starvation endure by their ancestors, and perpetuated for many genere tions anterior to their own existence, may rende their wretchedness more tolerable than it would the of a better animal; but what advocate of any sort of improvement is content to bind himself to such hone less sterility? Did we desire a race of animals tha would starre the best, we could at once make an im portation from the Shetland Islands, and establish Shetlo "American breed" that would hed defiance t neglect and poverty, and flourish amid both freet and desolation!

But this proposition is not within the entegory of our system. We hold, that if land be worth calling tion at all, it should be at least in a reasonable stall of fertility. It should yield in any event a tolerable share of its various products under good and kindly attention with which to feed well the stock of the farm. If cows are not to be decently fed, by no means keep the Duthams, or any other valuable breed. But if it be intended to give "value received," to feed well, and pay attention to your stock, and there is no other way to make any kind of stock profitable, then let the breed be us good as possible,

is high a grade in blood as the nature of your d the climate will permit. The admissions appeared the close of this paragraph, of the enorweights of the Durham ox with good keeping, n,o the full of extent all that we claim, when name of feed is given to the animal.

Inche 6th and last paragraph, Mr. C. doubts eer the Durhams are, after all, not the best stock to have, and candidly admits that his mind is en to conviction. Now this, after making the exactly what we should expect from one of his exactive what we should expect rout one or ma-bation at lastitieries. It is indeed too much in in of the old adage: "Hang him first, and try afterwards." It this last paragraph all is not that the advocates of Short Horns desire. We never asserted that they would produce great ties of beef, or of milk, without sufficient food; ould they thrive under continual ill treatment. t and abuse; nor indeed, will they bear so much ion and ill treatment as some of our native catn we do fearlessly assert that either thorough r grade Short Horns will produce more beef, ore milk, each in their own proper time, with ne quantities of grass, hav, or other proper feed. breed of cattle ever introduced into this unv y; and so have they thus far done in Eng-

own cattle have never been highly kept. On ntrary, owing to my form being at some few distance from my residence, and therefore not g my daily attention, my herd always received dinary care, and sometimes, I regret to say, not But I do say, that so far as my experience oved, they have from the highest bred Herd heifer, down to the lowest grade, (never less salf blood,) been as healthy and as hardy as the un stock of the country, kept side by side with The opinion, therefore that Durhams are to

ected for want of hardihood or constitution, is

prejudice that deserves to be exploded.

I I am no enthusinat in this matter. I would ecommend every farmer to introduce into his he Durham cow. On the contrary, on very nd light soils, I would not introduce them; nor thing else that ever lived on a luxuriant one, do say, on lands natural to grass, which afford yield of pasture and of hay, where either the or the fatting of beef, or even the rearing of for sale, he the object, judging from my own ience, and corroborated by that of others who tried a single cross upon our native, or any othed of cattle, no matter what, even up to high s, the Durhams are altogether the most desirable, or appearance and for profit; with the exception ps, of the Devonshire, if the climate be very and they are no milkers. Were I a dairyman. esired to grow up a race of the best and most able milkers, I would select the best native cows n my reach, then obtain a thorough bred Short bull of a good milking family, and raise my s to as high grades as in their natural course d be produced, always using a thorough bred bull, no other way can the excellence and the true eteristics of the race be perpetuated. Did I howadmit of any other foreign admixture, it should cross of the Devon to give additional snugness to orm; and then but a single cross, for more than would degrade the milking qualities of the herd. iese animals, bred as they would be from native , would inherit their constitutions and habits: secome identified, as much as the most ordinary , with our soils and our habits of keeping. way should we at once gain all we desire, with-udden or prejudicial change." * * * *

Sugar Beet for Spring Feeding.

a-I have for a long time been halting between opinions, as to the value of the sugar beet as winood for stock, and really have been puzzled with conflicting testimony of parties, for and against. isit to a friend in an adjoining state, which I been induced to take at the suggestion of your espondent at p. 205 of the Cabinet for January. whom I can bear out in the remark, that such a le of expending a small sum is the cheapest and way in which a man can study the science of culture, has, however, brought me short about, a ng advocate for its cultivation, and I will tell you

efore I left home, I was wondering within my-how my poor stock were to subsist another month out a supply of fresh provender; my hay-barn and

with searedy a blade of grass to be seen in the pastures, into which however, I had been compelled to turn the poor erentures, in the hope that they might be able to pick up a little to help out; knowing all the while, that what they could extract from the roots of the sod must be at the expense of the coming crop of In this state of round and teeling, I reached my triend's house, and was infinitely surprised to find him teeding all his cattle and sheep, and indeed I might add hogs, which also came in for a share, to the full head, as he termed it, with sugar beet, which se had reserved for this particular season, as a link betwe n the winter and summer crops, the value for which purpose, to use his own words, was "quite above all price." Said he-"While many are debating about the quality of the beet, and are not able te determine whether its cultivation be the greatest good or the most considerable of evils, I have gone quietly on, sowing regularly the quantity necessary for my winter consumption, being careful to preserve a full supply for the whole month of April, without regard to the stories that are told about its different and very dissimilar properties; and now you see me with plenty of food for every living thing about me for a month to come, obtained at a most trilling cost of production; for, from about an acre of land, I harvested a mountain of green food, to mix with my hay and straw, which have now become dry and hard from keeping: and by these means I am able to keep all my stock from the meadows and pasture until Maya perfectly incalculable advantage; for thus I am not only feeding them this year, but adding accomishingly to my means for the next winter, as I almost facey that by so doing I am able to mow double the quan-tury of hay that I used to do. And this is not all; for the large quantity and excellent quality of the ma-nure which I thereby obtain, is of far more value to me than all the labor and expense of cultivating the beets, twice told. You see that my stock are in good condition, contented and happy, confined to their winter quarters, and not permitted to roam abroad, to the destruction of the teners, the loss of their dung, and the absolute annihilation of the future crops of hay; and if these are not advantages sufficient to induce us to go forward with the cultivation of the beet, I should be glad to be told what more we have a right to expect? Let others argue what is the value of such a crop for winter food, and especially for spring use, while I am too happy to be able to create a summer amongst my stock during the most dressy winter, and preserve my spring crop of grass; by the very trilling devotion of about a single acre of land to their cultivation. I repeat, my extra manure psys me for all my extra expense; and my peace of mind is above all price." I thought of my poor starving enimals at home, and shortened my visit that I might return and be prepared to practice the doctrine which my friend had been preaching. - Far. Cabinet. JOHN LACY.

Schuylkill County, April 1, 1811.

The following remarks, from the N. E. Farmer. should be read in connection with the article on 11ay Making in our last number ;-

Drinking in Hot Weather.

Mr. Editor-In your number for June 23d, is an excellent article on Hay making. I rejoice to see so many of these plain, practical articles in your paper; and hope they will be read extensively, and be as extensively useful.

There are one or two thoughts, however, in the concluding paragraphs of the article to which I allude, which do not seem to me so much in accordance with general experience as I wish they were. You say-and I know others have also said it-"None but the intemperate are injured by drinking cold water."

Now, unless you mean that the excessive drinking of cold water is itself intemperance, I am confident this statement cannot be true. That intenmerate men are injured most readily by cold water, I have no doubt; but that any man, who is at once over-heated and over-fatigued, may be injured by drinking cold water in large quantities, is at least equally certain. Indeed, it is certain that he who is either over hented or over-fatigued, may be injured in this way. Cases of injury from the former cause are of almost every

day occurrence.

I know what is the main thing intended by the writer of the article in question, in the remarks to which I have here alluded; and I rejoice at the effort. To put daten the use of bad or even doubtful drinks, erib began to show signs of atrophy, the ribe of and put up cold water, is noble-and may God speed asser rattling in the wind like a dried skeleton; him who does it, or assists in doing it Nevertheless,

we must avoid doing evil, if we can, in our efforts to do good. And material or saying, "There is no danger from frequent damling in the hottest weatherr take cold water es oft, it and as freely ne you plensethere is no danger from it, if you have not been too long wifout dink," See, metend of this movie, I wish with all my beart you had said something like the following-that ic, had you believed it: "There is no special danger from frequent dranking, in the hottest weather, provided you nee the following cantions: 1. To drank very slowly. 2. To drank but bule at a time. 3. To have your drink, though cool, not excessively cold. 4. To use but little drink with or near your meals. 5. To drink but little, very little, when over-farigned and over heated.

With these restrictions, you might have said, as you have-"Cold water is the best of all drinks for slaking thirst; there is no danger from it (with the restrictions above,) if you have not been too long without drink," &c.

You say, "The Lay maker must have a full supply of drink; perspiration will be free, and be must have something to support at." Yet I can point you to a laborer now over 80, and healthy and strong, who has drank almost nothing at all between his mesis all his life iong, though he has perspired very freely, and no man has enjoyed his life more. Yet observe, his meals are better than those of the average of men. 1 can tell you of another individual, whose engloyments are partly agricultural, and whose labors are very severe-calculated to elicit thirst, in the common way of thinking; who can labor through the summer and drink nothing at all, and who for acarly ten months, beginning with August 6, 1840, did so. And not only so, but he suffered less from thirst during the time, than he over did before in any of the months of his life. But then he lired right otherwise.

These facts are not mentioned, Mr. Editor, to induce your readers to go without drinking at all, for I cannot advise a person in the world to do that-at least as long as he retains his present liabits in other My object was simply to show that we respects. need far less drink than is usually supposed, if we only exercise, eat, sleep and think as we ought.

But I sm extending these remarks too far perhapa. Excuse the freedom-well meant, I am sure-which I have taken. I was brought up a farmer-and, thank God, an intelligent one for the time-and I still love farming and the farming interest, and the welfare and happiness of the farmer. Would that I had the means of being a New England farmer new, on a small, but truly rational scale and system.
Yours, &c., WM. A. ALCOTT.
Dedham, June 25th, 1841.

We thank Dr. Alcott for his strictures upon the remarks we made last week. His long continued attention to matters pertaining to health, entitles his opinions to much weight. We most cheerfully make them public. But at the same time we are far from receding an inch from the ground we took last week. Will the over-heat and over jutique occur, if cold water is taken with sufficient frequency? It is possible that the over-fatigue may; but if it should, we question whether cold water, to any extent which the appetite craved, would be instantly and excessively in-jurious; (for the injury dreaded in these cases is the violent pain which often proves fatal in a short time.) Our belieff is, that if cold water is taken so frequently as to prevent the over-heat, there is no danger from its freest use. We refer, of course, to danger of severe attacks of pain. Whether it would not be permanently better for our luboring people generally to use less drink, is a question to which we had no reference.

From the London Farmers' Magazine. Destroying Rats.

Sir-The following is a reply to your correspondent's inquiry as to the best mode of destroying rate. Should be find either of these methods succeed, he will oblige by a reply through your paper.

lat-Corks, cut as thin as sixpences, roasted, or stewed in grease, and placed in their tracks. or- Dried spange in small pieces, fried or dipped in

honey, with a little oil of rhodium. Bird-lime, laid in their haunts, will stick to their fur and cause their departure.

It a live rat be caught, and well rubbed or brushed over with tar and train-oil, and afterwards put to escape in the holes of others, they will disapt ear.

Poisoning is a very dangerous and objectionable

The proudest man on earth is but a pauper, fed and clothed by the bonnty of Heaven.

Mr. Neff's Stock of Short Horned Cattle, TO BE SOLD ON THE SIXTH AND SEVENTH OF SEPTEM BER NEXT, NEAR CINCINNATI, OHIO.

The attention of the renders of this paper, in the West and South, is invited to the notice of a sale of cattle inserted in another column. Mr. Neff has for a number of years given his particular attention to the raising of improved cattle, and has apared no expense in procuring the very finest animals to breed from. His herd has now become so numerous that he has determined to sell off the whole or the greater part, in order that he may begin anew. The writer of this had the pleasure of viewing these cattle a few days since, and he does not hesitate to pronounce them the finest collection to be found at any one place in the United States. If any of the cattle-laving readers of the Farmer chance to be in that part of the country previous to the sale, they must not fail to IT Go and see.

On arriving at the Queen City of the West, first call on Mr. Aill ck, the editor of the Western Farmer A. Gardener, and if you are not already a reader of his excellent paper, subscribe for it at once, and in it you will find a complete list with pedigrees of Mr. Netf's cattle, and numerous fine portraits of animals, engraved by Mr. Foster. Mr. Atlleck is a good judge of stock, and if not too busy he will offer to accounpany you to Mr. Neff's farm. If so, happy are you; and with old Kentucky in the harness, you start of right cheerily down Western Row, and on a good turnaike road over the Cheviot Hills till you come to the Seven Mile House; then turning in at a gateway you enter the premises of Mr. Neff, and the first object that arrests your attention is a number of splendid two-year old heifers in a small pasture in front of the house. That very large and handsome red and white one is Louisiana; that beautiful white creature of smaller size is Clafford; the other, red and white. is Virginia, and the roan is Georgia. These four are all too perfect and beautiful for description. Then go into another field, and there you see Rosalm, Indiana, Belle-Creole, and some half a dozen other thorough bred liciters about two years old; and he must be a nice judge who discovers defects in any of them.

But pass on to the yearlings, and there you will find a dozen or so more, 'Gems' of the first water. Then follow your Cicerone to the stables, and you see Cincinnatus, a beautiful large white two year old bull; and Young Prince, a promising son of Prince William and Lady Catherine, with a number of other twoyear old and yearling bulls. Now take a look at that long row of beautiful calves. Are they not " Buds of Promise?" But hark! Is that thunder? Oh no; it is only the voice of old Brutus. Pass out that door; see here comes, with all the pride and dignity imaginable. What an enormous size, and yet how beautiful he is! Brutus is 7 years old, roan; was purchased at Mr. Whitaker's sale of imported cattle at Philadelphia in 1838. He is in rather high flesh and weighs about 2700 pounds. See how kind and gentle he is! Feel of his soft sleek sides; observe his fine limbs, noble head and neck; his splendid brisket and broad straight back! Taking him all in all, did you ever ses a more perfect animal of his kind? But here comes another, who disputes the palm of excellence with him. This is Prince William, 4 years old, roan: also imported by Mr. Whitaker. He is not in so high flesh, nor so large, but some consider him superior to Brutus. If he had on more flesh he would nearly equal him in weight, and probably excel him in activity. See with what a stately majestic step he marches back to his apartment!

Here comes the boy with the cows. Walk this way and stand by the ga'e, so as to view them as they

she is an imported cow of the finest pedigree, and, as is often the case, is a very superior breeder. Her name is Ruth, she is 10 years old, and the mother of some of the most beautiful animals in the herd; for instance Victoria, Louisiana, Sibella and Great Western. That fine large fat looking red and white eow, is also imported; she is properly named Beauty; and the only objection to her is, the difficulty of keeping her poor enough for usefulness. There are four other fine imported cows, Blossom, Profitable, Strawberry and Lady Catherine-six in all, from which the rest of the herd were mostly produced, and some of the younger ones are no re beautiful than their parents. See that smallish roan cow: that is Ruth's eldest daughter, and one of which she may well be proud. She is aptly named Victoria, for like her Royal namesako her greatest defect is, that there is no more of her-both are rather too shortl

Now look at those 'Swill Boya' in the barnvard. That long thrifty looking Porker is an Irish Grazier. Yonder are more of them; how thin their coats are! They look as though they would freeze to death in winter; but if you ask Mr. Affleek he will probably inform you that they are a hardy and valuable breed of hoge, although not more profitable than some others. These black and sported ones you at once know are Berkshires. They are generally conaidered the perfection of the swine family now-a-days. Here, under this shed, is a fine Berkshire sow, hung in a aling, so that her feet cannot touch the ground. See: her hind leg is bound up with splinters; it was broken by being run over with a wagon s few days since, and being a valuable animal, Mr. Neff determined to make an effort to save her-hope he may

I fear I shall detain you too long, and yet I cannot leave without taking you through this thrifty vineyard. Look at these Catawbs, Isabella and Schuylkill grape vines: how abundantly they bear, and with very little attention. They are more sure to ripen and less liable to mildew or blight than in New York State. There, in that inclosure is a pair of Deer, but they appear to be out of their proper alsment. This small building at the bottom of the garden is the boys Rubbit house, and it is well stocked with farry quadrupeds. Walk up this way through the garden, and pick some of these Ohio ever-bearing Rasoberries. They are of good size and pleasant flavor, but not so delicious as the Antwerp. Their great advantage is their habit of bearing plentifully all through the season.

I find I must close this gossiping epistle, and have not time to spenk of Mr. Mahards splendid lot of Berkshire pigs, but you must go and see them nevertheless, and perhaps I may notice them hereafter, together with some other sights seen in Ohio.

Cincinnati, July 20, 1841. M. B. B.

The Crops in Ohio.

Columbus, July 26, 1841.

Ohio claims the honor of producing the greatest quantity of Wheat, and may perhaps justly be considered the most important agricultural State in the Union. When we meet a friend, therefore, from this Sinte, the first onestion that arises is usually in relation to the crops. And as this is a topic particularly interesting to the renders of an agricultural paper. 1 will give it my first attention. I have now spent two weeks in traveling over the State, during the height of harvest, and having taken particular pains to inform myself on the subject, I feel confident that my views will not be found erroneous, although they may differ from some of the published statements.

The Wheat Crop is very uneven; in some places, Do not laugh at that old fashioned looking as along the lake countries, it is generally fair, although

dame in the lead; it is true she is not handsome, but not heavy; in others, as in the southern countie very poor-some fields not worth harvesting. central parts, fields of all qualities may be seenbeing very good, others of medium quality, and acarcely worth cutting. The difference being ly attributable to the soil, and the cultivati Taking the whole State together, I was disapp in the wheat crop, and am confident the vield w be as great as the papers have of late repres My opinion is that Ohio cannot be set down for than two-thirds of an average crop.

> Indian Corn is the next staple crep of Ohic almost the anly crop of some parts of the Stat has suffered materially this season from the cute and the drouth in some parts; but in other pr looks very fine, and the whole state must yield a mense crop; although perhaps not quite as lar that of the past year. The immense corn fields. valley of the Scieta, and along other streams in tral and southern Ohio present to the eye of the cler a very beautiful and luxuriant appearance afford striking evidence of the wonderful fertili the soil. While sitting at an elevated window i " Niel House" in this city, (the thermometer: in the shade) I was shown a field of 160 acres, it valley below, that had been planted with corn 40 in succession, without any apparent diminution productiveness. I should judge the stalks now 10 or 12 feet high, and as thick as they can a giving the whole valley the appearance of a young forest.

> Grass, on dry lands was very light; but on t lands it is pretty fair. Much of the hay in this is not cut till after the wheat. Clover is much in some of the best wheat counties, but not as g ally throughout the state as I should think it n be with advantage. The Clover Seed erep is very premising-owing to the drouth having che the second growth.

> Oats are much raised, and are generally fair, the not uniformly so.

Barley is but little raised, and is very light.

Potatocs, in some parts, have suffered from dree but I think the erop generally will not fall much low an average.

In conclusion, it is evident that the Buckeye ; will sustain her high rank for producing the nece ies of life, although the aggregate yield ot wheat be considerably less than for the past two years.

M. B.

Canada Thistles, &c.

"AID TO AGRICULTURE."-The Legislature h passed a law appropriating \$8,000 to promote I culture, by encouraging the formation of County cieties, and enabling these societies to excite emuli among the Farmers by distributing premiums. is all well enough; but we can point out a wa which the State authorities might still more effect ly promote the welfare of the agriculturists.

The Let immediate orders be issued by the C Commissioners, for destroying the Canada Th and other noxious weeds that abound along the C als, on the ground controlled by the State. E within the limits of the city of Rochester, there thistles enough on the Canal and feeder, to seed Western New York. Every man who has farm garden, or who really wishes to "promote Agric ture," should aid in calling attention to the correct of this nuisance, which annually causes more inj to land by sowing them with foul weeds, than car compensated by ten times the \$8000 now annuappropriated for " promoting rg iculture."

ROCHESTER

For the New Genessee Farmer. ely to S. R. W. on the Corn Laws.

. EDITORS-Your correspondent S. R. W. ed that the lessons of patience and self de-1 S. W. attempts to "read to farmers" are is behind the age," It is hardly necessary say that he has not gone back far enough by thteen hundred years-such lessons are coche Gospel Dispensation-they were the lesh Christ taught and Paul preached.

former articles on the notional tariff, on im-English Corn Laws, &c., I endeavered to armers with the necessity of depending on nects of their own industry, and living within egislation, or to aid from without looking too distinct I have given, succeeded gle individual reader of the Former, that the ligh prices were years of unnatural inflation, nce, debt and ruin : and that the subscauent low prices has been one of liquidation, rendustry, economy and consequent pecuniary en I am well paid for my labors. But as ns of political and domestic economy have nstances given dissatisfaction to the readers mer, I had resolved to abandon the subject, d not now have adverted to it, but to defend y articles from the strictures of S. R. W.

W. felicitates himself on the progress of ds in England, and its spread in the United He speaks of the landed interest of Engselfish, and regardless of suffering humanihe predicts a much better market for our en the English Corn Laws are repealed.

d, as one of the readers of the Farmer, be learn from S R. W. hew England is to with her stupendous debt, without the landt. Who pays the great bulk of the taxes aded interest; who must supports the enoras trade of £400,000,000, sterling, but the terest; who feeds the people but the lended

Selfish as they are, their selfishness appears

iderfully adapted to the wants of the nation.

at feeding England from the United States! ty-five years previous to 1825 all the foreign rted into England did not amount to more week's supply. Since that time in 1831, a very short crops, all the grain imported to but twenty-five days' consumption, and seventh part, or three and a ball daye' supply,

ved from the United States of America.

ern laws were repealed, Europe would sup-Britain with corn at as low prices as it is g in N. Y., adding the Atlantic freight, if ; and the present prices in N. Y. are below ge, and certainly lower than S. R. W. with ved modern notions, thinks they ought to 837 we imported nearly a million of bushels and Rye from German and Russian ports, it the duty of 25 cents per bushel (an Ameran English, corn law) wheat would often be into the United States for our own consump-

W. says that the English corn laws are the nealculable misery. There are thousands of ngland with wise heads and pure benevolent ho differ with S. R. W. in opinion. It is even the time-serving Lord John Russell is ether sincere in his enlogy of free trade, for y thing but free trade that has made England

introduction of foreign corn should cause the capital new employed in British agriculture y in part withdrawn, what would be the state ast home trade, which is now the only trade to feed his operatives. Would not the laboring classes of England then resemble the Irish peasantry, starring in the midst of plenty, for the want of that employment which alone can furnish the means to buy?

S. R. W, says that "the interest of millions at the north are neglected by our Government," "while a few hundred thousand at the south have an accredit ed representative at St. James, watching every movement which may affect their favorite exports," It is somewhat illiberal, if not invidious, in S. R. W. to accase the South with any thing more than their due quantum of social and political sins. The facts in the case are simply these; Corn is indigenous in England, but Cotton is not, and besides cotton is an indispensable article in her manufactures, hence the duty on our flour there, and the free admission of our cotton. The South is no more to blame for this discrimination on the part of England in favor of their great staple, than they are that the Compromise Law imposes no duty on imported silks and wines. The South was willing to have these articles taxed, but Mr. Clay preferred placing the duty on such correspondent articles as were manufactured in the United States. Yet by admitting silks free, the exports of the south are increased to the manifest prejudice of the nation at large.

I might extend this communication by dwelling on the importance, not of encouraging a free trade with the old over populated and cheap producing nations of Europe, but of diversifying our agricultural and manufacturing productions in order to build up a home trade, which alone can guarantee to the farmer and manufacturer a remuneration for their labor, secure from without. But I am aware that there are many readers of your paper, who still "sigh for the leeks and oniona of Egypt." I therefore conclude with the Scriptural quotation, " Ephraim has joined himself to idols, let him alone."

Waterloo, July 10, 1841.

Remarks .- It is agreeable to our feelings (and we believe it is in accordance with the wishes of the majority of our readers,) that a small space in the Fermer should be devoted to the discussion of important subjects not strictly agricultural, (nor party political) but we hope our correspondents who write on these subjects will study brevity and perspicuity; and always aim at the elucidation of truth-remembering that discussion does not mean controversy .- Ens.

Practical Remarks on the Silk Culture. To the Editors of the New Genesee Farmer:

It was with pleasure I noticed in your last publica tion your determination to devote more space in your valuable paper to communications on the subject of the Silk culture. I hope the day is not distant when a paper devoted exclusively to that subject will find ample support in this western section of the State. I have no desire to occupy any portion of your paper unprofitably; but the interest I feel in the success and permanent establishment of that business, has induced me to trouble you with a few remarks addressed to the Formers of this section of the State, with a view of inducing them to make a fair trial-beginning small, and increasing as their knowledge and stock increases.

I have no desire to effect that purpose by exaggerated statements, and shall state nothing but what is founded on facts, in my own experience, or that of others within my knowledge. I make my statement of what can be done by what I know has been done.

I know that sny farmer can commence at a very trifling expence. He can procure 500 Morus Multicaulis trees for little or nothing. He can plant them, root and branch, in a small spot of good land, in the

that remunerates the manufacturer and enables him latter part of April or 1st of May; from the leaves of these his wife or children can feed 10,000 worms. The eggs may be purchased for ten shillings, He can in a few minutes erect shelves in a room of his house, barn, or any out house, to feed his worms on; if well attended, they will produce three bushels of cocoons, or 3 lbs. of reeled silk. He can in the fall take up his trees, preserve them through the winter, and plant half an acre in the spring. By doing this for three successive years, in the spring of the fourth year, he will have trees to plant five acres, and 20,000 to dispose of. Five acres of trees, with proper management, will feed 500,000 worms. Thenceforward he will have little or no trouble with his trees; he may leave them in the ground all winter, and the next year he may feed half as many more worms, say 750,-000, the year following, double the quantity of the first year, or 1,000,000.

The following calculations may appear at first sight extravagant, but as it is well known one acre of trees will feed 100,000 worms, with proper management, five acres, with the same management, will feed 500,000.

I would here observe that these calculations are made without reference to ensualties that may happen -such as accidents, mismanagement, unfavorable weather, diseases amongst the worms, &c. &c., hough I have no doubt of complete specess following constant attention, careful, good management, proper feeding, anflicient room for the worms, and a free circulation of pure air. From my own experience and observation I am perfectly satisfied it is a business worthy the attention of farmers, provided they can get their wives and children interested in it. If so, there can be no reasonable doubt of its complete

I have in the following statement valued the cocoons at an average of \$3,50 per bushel. The State bounty of 15 cents per lb. will make them worth \$5. By recling the silk, which will not cost more than \$1 per bushel, the value will be yet more increased, and by adding the State bounty on reeled silk, fifty cents per pound, the silk, if well handled, will be worth \$8

Statement of the produce of 500 trees plan	rted th	4
FIRST YEAR. 10,000 worms producing 3 bush. coccons at \$5 per bush. Expense of 10,000 eggs.	\$15	00 23
Profitsecond year.	\$13	75
50,000 worms, 15 bush. cocoons, at \$5	\$75	00
200,000 worms, 60 bush. cocsons, at \$5 Expences, say		00
Profit FOURTH TEAR.	\$250	00
500,000 worms, 150 bush. cocoons. at \$5 20,000 trees for sale, at \$1 per 100	\$750 200	00 00
(The State bounty ends this year.) Expenses, say	\$950 150	00
Prefit FIFTH YEAR.	\$800	00
5 acres, the second year in the ground, 750,- 000 worms, 225 bush. cocoons, at \$3 50, Expenses, say	\$785 200	5 0 00
Profit SIXTH YEAR.	\$ 585	50
5 acres, the 3rd year, 1,000,000 worms, 300 bush. cocoons at \$3.50		
Profit		

The floss and cocoons which have been spoiled for reeling to produce each year's stock of eggs, may be manufactured into cloth, which will contribute no small portion of clothing for the family.

Alabama, Genesice Co., July. 1841.

For the New Genesce Farmer, Natural Philosophy.

Why is it that so little attention in bestowed in sandying the Works of God by which we are surrounded? How can the Power and Goodness of the Almighty be more glotiously exemplified than by reference to the Skill and Design manifested throughout all Nature?

From the minutest to the mightiest, the works of the Creator are every where characterized by the wise adaptation of means to endea-by traits of Wisdom and Beneficence which proclaim with "silent cloquence" the glory of the Eternal God.

The Farmer is less excusable than any other man for neglecting the wide field of Practical Wisdom furnished for his contemplation by the objects constantly spread before his eyes. The Earth and the Heavens—from the coil and the dews of which his hervests are blessed—are everywhere replete with wonders. The millions of worlds which glisten around him, are scarcely more wonderful than the animal-culæ which sport in thousands through a drop of walls.

The study of Natural Philosophy is replete with interest and instruction—it cheers the heart, elevates the mind, and promotes the love of God and man in the human heart. It should be one of the prominent studies in our schools, for nothing could more effectually enlist the interests and affections of the young—it should be a frequent theme in the sacred desk, for what more powerful auxiliary could. Religion have in securing the attention and dignifying the character of manhood?

Let the Farmer consider well this unatter—consult some of the writers celebrated in Natural Science—corecise his own powers of observation and reflection—and he will never regret that he has read this article, if what we write shall have the slightest tendency to encourage him in "looking through Nature to Nature's God," ROCHESTER.

For the New Geneses Farmer.
Education -- Agriculture -- Correct (celling well expressed.

Mesons. Entrons—Much has been said and written on the subject of the education of the young of our country; and I am happy in the behef that a change has been wrought upon the public mind, on this important subject. So much has been said by persons capable of doing the subject justice, that it seems almost useless for me to say anything; But I consider it of so much importance, that I am anxious that it should be kept before the public mind.

A few years since, a large portion of our citizens seemed to think it servile and mean to labor in any capacity—and capacity as a farmer or mechanic. Our young men seemed to be bent upon getting a living "without work." And our young women, when any thing happened to be said about "work," seemed very careful, if perchance they had been guilty of cuch a crime, not to let it be known. This, I admit, was more generally the case among a certain class—a sort of "would-be somebodies."

I am in the belief that the public mind has changed on this subject. Young ladies seem not so fearful that it shall be known that they attend to household duties: And young men, instead of begging a situation behind a counter or in some musty office, seem willing to employ themselves in that more noble and useful avocation—the cultivation of the soil. I say "more noble"—because what is more noble than for man to cultivate those plants and animals that God has given him to exist and luxuriate upon? and in doing which he may more foreibly see the divine goodiness and mercy exemplified in its bestowments upon

Besides, it is expressly declared that "man shall earn his bread by the sweat of his brow." Now it is perfectly plain that bread cannot be obtained except by the "sweat of the brow." Soore of us must work, or we all starte: And who does not know that the powers and faculties of both hody and mind are much more vigorous when we subject ourselves to manual laber? The idea that hard labor cannot be endured by us, is all imaginary. A sound healthy person can work, and he cannot enjoy all the blessings of health without working to some extent.

Let the idea that all healthy persons cannot labor according to their strength, vanish—and let all idlers "cease to do evil and learn to do well." I understand that the decree, "man shall carn his bread," &c. includes all men; and that all men are in duty bound to supply themselves with the staff of life, as far as is possible. I do not say that all shall be farmers, or mechanics, or of any particular calling; but that each should carn his own living honorably: And I amounts sure that there can be no more honorable or sure way of getting a competence, than by cultivating the soil.

But, gentlemen, as I am a new-comer, I will not trespness upon your patience longer. It has been said of some of our most eminent men, they were always brief, and spoke to the point. Would it not be well for us all, and especially our legislators, to think of this?

With my best wishes for your success and the advancement of agriculture, I am, yours,

A FARMER.

Orleans Co., July, 1841.

For the New Genesce Farmer, More Large Pigs.

Missis. Entrops—I am a new subscriber to your valuable paper, and have just received the back numbers of the current volume. On looking over the March number I observed an account of some very thrifty pigs mised by Mr. Sheldon Cook of Genesee county, who asks if any person has raised larger, of no greater age. Also, one by Mr. Samuel Lundy of Waterloo, who challenges the Berkshires to beat his.

Now, I hope these gendemen will pardon me if I say I think I have outdone them. I slaughtered four pugs, Junuary Ist., that weighed, when dressed, 1379 lbs., being an average of 3443 lbs. each, or separately as follows: 306, 324, 363, 3-6. They were only ten months and eight days old, and were a cross of the Berkehire and common large breed. I think such a cross is a great improvement, and goes shead of the full bloods.

I am only a young farmer, but I have had considerable experience in fatting hogs; and I have one word of advice to give to my brother farmers on the subject. By Fat more spring pigs, and not so many old hogs. Try the experiment, as I have, and you will become satisfied that more and better pork can be made, with far less expense, from young than from old hogs. Attention to this point is particularly necessary with those persons who feed but a small number, and where the trouble and expense of wintering store hogs is an important consideration.

Very Respectfully,
JOHN SHATTUCK.
Oxford, Chenargo co., N. Y., June, 1841.

How to Ascertain the Age of Horses.

An estremed correspondent requests us to publish directions for discovering the age of horses. The following answer must suffice for this month—when we find a better we will give it:—

In purchasing a horse, not the least important matter is to be able to tell his age. In transfers of Picketing, in Massachusetts, Livingston, L'Hon erdinary farm and saddle horses, great impositions are dieu and Loack in New York, Peters, Mease, Looken practised upon the creditions and unimitated and Powell in Pennsylvania, Stiles and Humph

purchaser. To prevent this, to as great an exte possible for the lutt re, is the object of this comn cation to the public. The most certain means (cation to the public. certaining the age of a house is to examine the cha which take place with the teeth. The twelve t eth begin to shoot in about two weeks after the 18 foaled. These are called colt teeth and are she different periods and replaced by others. When colt is about two years and a half old, the four dle ones come out; in about another year, four out are lost—and in another year, or when the hore These last are replaced by what are called corners They are hollow, and have a black mark in their They are scarcely visible, and the cavity d when the horse is four and a half years old, the gin to fill when he is six and a half, and the mark tinually diminishes and contracts, till the hor seven or eight years old, when the envity fills up the black mark is obliterated, The house acq his canine teeth or tushes about his fifth year. two in the lower jaw begin to appear when he is tween 3 or 4 years old, and those in the upper five or six months after. They continue very s pointed till six. At ten, the upper seem blur worn out and long, the gum leaving them gradu the barer they are the older the horse. From to fourteen, it is difficult to tell the horse's agesufficient then to know that he is old, and under hard treatment which is given to horses gener the conclusion will be a safe one that he is worth little .- So. Cult. EQUESTRIAN

An Address on American Agriculture, Before the American Institute, in New York, 1 14, 1841, by Henry Colman, is an able and inteing production, in the poculiarly pleasant style of author. We make the following extract:

author. We make the following extract:
American Agriculture starts in the race of impr ment in the enjoyment of singular advantages, he the benefit of all the improvements and discoveri the philosophers and practical agriculturists of The Agriculture of Europe differs old world. that of this country on account of differences of c ste and soils, and by various circumstances in social condition, character and wants of the peopl But the great principles of vegetation and cultive are every where the same. Their remarkable provements in the redemption of unproductive, v and wet soils, in the irrigation of lands, in drai and sub-soil ploughing, in the composting and c pounding of manures, in the use of mineral manu and more especially in the improvement of their stock, amounting almost to the creation of new i of cattle, sheep and swine, will not only stimulate exertions, but serve as examples for our guidance der the qualitications, which the peculiarities of situation require.

The French and Germans, if their progress habeen as great as that of Great Britain, are now vancing, in a course of improvement in Agricu with an equal step. In the application of Chem to Agriculture, in comparative nationly and bot in exact experiments, in the institution of n farms, where the most important agricultural examents are carefully going on under the supervisio aome of the most enlightened men of the age, an the expense of the state, and in efforts and provisto create an interest in the art and to extend an formation, which is required; and especially, systematic attangement and organization throug the kingdom, by which agricultural informatio collected from every source, and again sent through the Prench nation is at this time in advantage.

all others.

American Agriculture, though comparatively I infancy, having always had to struggle with the culties of no capital and high prices of labor, may vertheless regard itself with good deal of satisfies. The earliest publication on American Agriculture made in 1769; and Eliot's Essays or Field Husbin will be read with interest and instruction for age come. Masachusetts, Pennsylvana, and New Yearly established Agricultural societies, offered lil previous for successful experiments in agricult and held cattle shows and ploughing matches, we have swakened a strong interest and created a 1-salutary competition. These three states, in the portis and memora of their agricultural societies, I given to the public more than twenty-three volu of instructive and useful matter. Deane, Lowell Pickering, in Massachusetts, Livingston, L'Hon dieu and I o ack in New York, Peters, Meass, Lo and Parvall in Pennsylving. Selies and Hurmit

Precticut, are names which are destined, withsindice to any of their distinguished contempo or successors, to occupy the highest niches of r in the records of American Agriculture.

Physical Education. thou daughters? Hare a care of their body. Ecclesiastices.

inhabitants along the shore in the old Bay were. The present gone...
The causes are talth than the last possessed. The causes are tasks many—and not a few of them are hidden. The present generation has less vigor hasty glance at society will disclose some deas of the present generation from the habits of at age, which obviously tend to debilitate. ess of our dwellings, rendered desirable by the rices of fuel, causes us to breathe a less pure atere than pervaded the dwellings of the yeomanhe times when the chimney corner would hold score of children; the extensive aubstitution of and ten for milk, bean porridge and the like, rought on a degree of feebleness; -the general fine wheaten flour instead of the coarse Tyo and of former days has over loaded and weakened the ve organs in many cases:-the fashion which es the thick shoe and boot, and exposes the foot and wet, has helped to bring on many malathe abandonment of wrestling and other games ing great muscular efforts, (though perhaps the nment is wise,) may be a cause of the increase bleness. In short, less of hardship and more in modes of living, have exerted their energy issuence upon our community for the last quara century. And though we are still a vigornergetic and enterprising people; yet, as these teristics are becoming less prominent, it is prorus to inquire into the causes and help to stay
perations: We feel the duty incumbent, beperations: we think that the intellectual, moral and religiaracter of individuals and nations, has a close timate connection with the health and strength body. The public good, (not its prosperity in making merely)—the public good—in the st, broadest, deepest sense of the terms—is closerwoven with the general health and atrength Therefore necessity is laid upon those people. rould be faithful public teachers, to discounteall customs which tend to bring on general ness.

commenced with a quotation from a wise man en times-" Hast thou daughters? Have a care r body;" and it was our purpose to say disthat the physical education of those who are the mothers of the next generation, is the first I parents; yes, we distinctly put this branch of uon first; for while we would have habits of and obedience early formed, we are persuaded hese and other good habits are of much less to the world when found in one of fceble conon, than when connected with a healthy frame, as power to act out the promptings of the soul. the child hardy; and to do this, the food must iple, the clothing loose and comfortable, and ex-

to the weather in all its states, must be ha-The dirt, and wet and cold into which the will rush with delight, are all contributors to its and energy of character. There is much imnt prudence in keeping children within doorscruel kindness in keeping them from exposure ch weakening poison in the healthful delicacies hed for their feeble digestive organs. Let kind o your offspring be far-sighted. Let it rememat health is promoted by vigorous exercise and ir. Let it not forget that winter's snows and ier's suns help to harden and strengthen the

serve the child from immoral habita and exerittle more restraint than is necessary for this. the foundation of firm health is apparently well

There has been a tendency for a few years past ce the growth of the intellect in advance of phygrowth; but this is a contravention of of nature, and must in many instances bring death or debility. He who formed the myste connection between the body and soul, has obde that of the latter; and any course which shall aturely develope the mind and call it into highgorous exercise in early childhood, is necessarily ded with danger of destroying the body.

it we designed to apeak particularly of the phy-education of daughters. Let them be accustom-regular and vigorous exercise, and that too in open air. It is becoming almost barbarrous to

send the girls to the milking stool and to the lighter work in the field. We are not without a share of the feeling on this subject which pervades this vicinity; and yet looking at the future and reasoning from well known facts, the conclusion is irresistible that it would be better-far better-better for them and better for the next generation, that our daughters should engage in the out-door labors which their grandmothere performed. Then a fresher bloom would spread over their che ks, and more healthful blood would flow in all their veins. They would discharge their household duties with more despatch and less fatigue. Their spirits, graduated by their health, would diffuse more life into the family circle—and the mind. sympathizing with the body, would be clearer in its perceptions, more prompt in its decisions, more efficient in all its operations. Looking forward to the future, we see not how it

is possible for any other than a feeble race to be produced from the pale faced girls, of compressed forms, that are growing up in both city and country. subject is one of delicacy, but it is so closely connectted with human welfare, that some obvious truths connected with it should not be suppressed. We any that the same laws by which, in brutes, the offspring partake of the characteristics of the parents, operate in the human species; and no temale can expect to be the mother of a healthy family of children, who has not a firm robust constitution. The weaknesses produced by stimulants, by unwholesome food, inactivity, impure air, tight lacing, thin shoes, or avoidance vigorous exercise, will be transmitted to their pildren. The sins of the parents are visited upon children. the children for generations. These truths teach a lesson that should be heeded. Could the young of either sex, but be made acquainted with the facts which we have witnessed, they would learn that the marriage relation often-very often results in a family of feeble and inefficient children, and this too in con sequence of such weakness in the parents that should have deterred them from entering into the married state. For we hold it to be wrong for any intelligent being to be voluntarily instrumental in bringing others into existence, when the probability is strong that the children will inherit such weaknesses as will render them unhappy or burdensome to society.

This subject of physical education is more closely

connected with human welfare than almost any other that can be agitated. We have not discussed it: but the hints here given may cause some of our readers to make it a matter of serious and useful reflection. Should we but feel it a duty to disclose all our convictions relative to this subject; and could our advice be taken, many of the young of each sex would go down to their graves unwedded and childless, and this too, not oftner from any faults of their own, than from the faults of parents and of feshion, which have rendered them promaturely feeble. - N. E. Turmer.

The Working-Man's Dwelling.

" When we mean to build, We first survey the plat, then draw the model; And when we see the figure of the house, Then must we vote the cost of the erection " King Henry IV. part 2.

There is such a satisfaction in having a house of one's own, that most Americans begin to think of building as soon as they are rich enough. It is proverbial that this becomes a mania, even in the country, with men of wealth. In quantity, therefore, we have no lack; the defects are in the quality of our ar-chitecture. For want of observing the plain dictate of reason contained in my motto, many great houses are finished less splendidly than they were begun. As I seldom take a walk without seeing the dwelling of some mechanic going forward, I am anxious to make a few suggestions on this point.

A good site is almost every thing: in such a land as ours, few are compelled to build in bad situations. Yet half the houses we see in the country are disadvantageously placed. How little advantage is taken of nalive gloves! I have in my eye a very costly edifice, just near enough to a beautiful copse to tempt the belief that the proprietor wished to avoid its shades, while he is making a strennous effort to bring forward some starveling trees in a miserable clay before his The general design is next in importance: this is what strikes the distant beholder. The cyc is shocked when, in a clever building, the door has three windows on one side and five on the other. The pro-portions of length and height, the pitch of roof, the number, and size, and arrangement of lights, are all smatters which demand careful study, in order to pro-duce a good effect; but in most cases they are left to by they bring money.— Working Man,

chance or whim. Symmetry is as chean as dispreportion, and rich men should not monopolize all neatness and taste. A good plan gives beauty to the plainest materials, while no expense can render a false proportion elegant. A well-designed cottage, of the humblest dimensions and simplest fabric, fills the eye, and gives repose to the mind. But finery cannot hide land taste: it often betrays it. We may here upply Crabbe's complet-

> " Faults that in dusty pictures rest unknown, Are in an instant through the varnish shown.

Men who come suddenly to wealth are greatly in danger of felling into this tinp. The shown in architecture is usually coupled with the valgar; just as in dress the finest are not the truly well-bred. Pope has satirized this abuse of ornament;

"Lond some vain church with old theatric state, Turn ares of triumph to a garden gate; Reserve your ornements, and hang them att On some patela'd dog-hole eked with ends of wall

"Then clap four silces of pilaster on't, That laced with bits of rustic makes a front. Shall call the winds through long areades to roar, Proud to catch cold at a Venetian door.

Some of our builders, I hope, will read these esanya: their influence is of great moment. If well instructed, they will tell such as apply to them, that the word Architecture is not confined to the massy piles of public edifices, but that the very same principles which draught the Birmingham Town Hall, or the Mudelaine, can descend to plan the cottage or the rustic These principles ought to be studied, not ouly in our colleges, but our lyceums, and other institutions for the instruction of our working-men. Books of architectural plane should be compiled and abstracted from the more costly European publications. I am sure any one who is familiar with the Tailor's Magazine, will grant that there is no insupervile obstacle in the way of a builder's periodical. And not architecta alone, but all planners and proprietors should familiarize their eye to the contemplation of good models,

The day it is to be hoped will come, when even the day luborer will not think it necessary to be slovenly because he is poor, and when the most incessant drudges shall begin to see that there are some good things besides coin and bank-notes. The practical man whose views are enlarged, will not fail to see that pleasures of imagination and taste have also their price. Decoration naturally comes after use; we build our houses before we decorate them. But in the advancement of society, there is a singe at which men always set a value upon ornament; and though these circumstances may breed luxury, they have truits which are desirable, such as increased contentment, placid joy. refined taste, cheerful reflection, and the love of home.

Along the bank of a half-finished canal I saw, the other day, a settlement, which, at a furlong's distance, showed the origin of its tenants. Extemporaneous auts, berrel chimneys, floors without boards, windows without glass, and a dunghill at the entrance; these affiseded the symptoms of a horel. Here was no decoration, and I argue concerning this settlement, that there are no intellectual pleasures, no taste, no genileness, no fireside happiness.

Let me change the scene. I knew a family of English people, no richer than those just noticed, who lived in a dwelling no larger than one of these—but how different! I see it yet in memory, its whitened pa-lings and beaten walk to the door, its tight sides and close roof, and especially its edge of summer flowers around a plot of the cleanest grass, and its roses and woodbine creeping over every window. They were poor, but they were tidy. More than this; they were fond of natural beauty, and fond of home, and therefore always aiming to make home lovely.

Every reader has many times seen the same thing, and some have already learned the connection between simple decoration and domestic virtue and peace .-Why does an English cottage strike an American with surprise? Why does he look, as at a strange thing, upon the French peasantry taking their evening repast beneath their trees and vines? Because we Americans are so peculiarly practical, and so possessed of the demon of trade, that nothing is valuable which cannot be sold. Value is becoming equivalent to vendibility. Valuable means saleable: worth means money. If a flower, or a hedge-row, or a cascade, or a bust, or a prospect, add to the price under the hammer, these things are valuable, and are straightway inserted in the lithographic view of the auctioneer. They are useful. Usefulness is that quality of things where

The Orchardist's Companien.

Will the Farmer's Cabinet, or some one who knows, please inform us of the " Terms" of this publication? It is of course a splendid work, but is it not too costly for our republican economy?



The Ruta Baga Hook.

In accordance with the request of Mr. Erne'us Skinner, we give a description of his rate buga hook, as published in the Cultivator.

The implement is made with a strong eye and a handle like n common hoe; the blade is a piece of a hand-saw plate, 4 inches by 6, riveted on to the eye; the hooks or prongs are six inches long, and of the same piece with the eye.

In using it, the man walks along the row, and by a light blow with the edge cuts off the top; then turns it and with the hook side pulls up the root. Any good common band can top and pull from 600 to 800 bushels with it in a day.

Blight in Pear Trees.

There has been much complaint in this section of country, about blight in pear trees. The bark upon the pear tree is thinner than upon almost any other tree, and as the sap flowe, the hot rays of the sun against the stock of the tree, stop the circulation ; and the consequence is, that a space two or three inches wide on the sun side dies, leaving the stock dead. I would recommend to take the bark from a chestnut, something larger than the pear tree, place it sap side up exposed to the sun, until it rolls up, place it eround the trunk of the pear tree, and let it remain during the hot weather. Yours.

JONA. J. WATSON.

Bucks Co., Pa., 1841.

Wonderful Precocity.

FRIEND BATEHAM-My beautiful half blood Darham Heifer " Nelly" nged ONE year and TEN days, was this day safely delivered of a fine heifer calf. sired by "Welham." So far as my knowledge extends this case has not a parallel, and I am happy to say that the young mother and her offspring are apparently doing well. Respectfully,

J. C. HATHAWAY.

Farmington, 7 mo 3, 1841.

We have never known an instance of precocity quite equal to the above. Alexander Kelsey, Esq. of this city owned a heifer last year which calved at the age, we believe, of 14 months .-- Fins.

"Gallibility" Gallinippers!

In our June number we copied from an exchange paper a short paragraph bended wonderful discovery, announcing the very in portant fact that Mosquitoes might be substituted for Leeches, in medical practice. But "one of our agricultural contemporaries" is so fearful, lest his readers will be hum bugged, that he takes special pains to advise them "not to forsake their harvests to enter into this Mosquito Speculation!"

Now we are quite sure that our brother scribe would not treat this subject with so much indignity, were he not ignorant of its importance. If he had ever traveled in the Great West, he would have been aware that these animals form the principal part of the live stock of many parts of that country. Along the horders of the Maumee and Wahash rivers, they have an improved breed of Mosquitoes, called Gallinippers, which in size and action greatly excel the kind known in this state. They are easier raised than Berkshire pigs, and are in much more common use than leeches, for the purpose of depletion. We see but one reason why tley should not become quite an article of speculation; and that 1s, the necessity of eaging them in the spring of the Pert, to per that their pulling no the Court

Does the Curculio fly up into the Trees?

A correspondent informs us that the Curculio can fly (!) and consequently any contrivance fixed around the hody of the trees will prove of no avail. Now we readily admit the premise but the inference does not necessarily follow. We have not, as he imagines, "fallen into the common error of supposing that this insect connot fly." But does it fly up into the trees !- that is the question. Who will answer from positive knowledge?

The Silk Bounty Law was passed as reported by the Assemily and put lished in the June number of this paper. It was not altered or amended.

Late English News.

The Sleam-Ship Great Western arrived at New York. July 29, with London dates to the 11th.

The whole country was in a great state of excitement on account of the elections, which were nearly over. The returns were not quite all in, but it was certain that the Tory party would have a majority in the new parliament, and consequently an entire change would take place in the All aisterial Cabinet. This revolution readers it pretty certain that no modification of the Corn Laws will take place at present. This subject was made a test question in most parts of the kingdom, but so powerful is the influence of the landed interest that it controls the majority of voters It is predicted that the triumph of the tories will be short hved :- We think it likely,

The appearance of the crops is said to be promising, but the weather had been rather unfavorable of fate. The prices of Whent and Flour had advanced somewhat. American Flour in bon I was selling at 21s to 25s, per bhl.

NEW YORK MARKET.

Wennesday, July, 28.—The receipts of Flour to-day are iding—the demand is moderate. We quote Genesce at citing—the demand is moderate. We quote Genesce at 5,500 a 5,55; this space of the control of th been made at fuguer rates than we have quoted. The mar-ke is hare of Corn of all descriptions—sades 800 hushels Southern at 64c, small lots Northers at 67 a 68c, measure. No sales Ryc. Northern Outs are plenty and dull at 43 a 44c. Pot whes are in fair demand at 5,60. Pearls dull at same rate. The following is from the Commercial Advertiser of W

The following is from the Commercial Advertiser of Wednesda evening, July 20th.

Flowar-Canial Flour is searce and the demand better to-day. Bales were made of about 1500 harrels from store this morning at \$5.75.

Turessov, July 29-Flour—is letter again to-day—good brands of fresh candiato sold at \$5.75, and flour from store that is stale, brings \$5.75. For Olio, the rates are \$5.625a \$6,73. In Southern flour there is no change.

OSWEGO

OSWEGO, JULY 25.—Flour has declined during the past week, and is now worth at our mills from \$5 to 5,25. A fall in the New York and Canadian markets, and improved prospects of the new crop about coming in, has given a downward tendency to prices. Five hundred barre s changed bands on Satunday, at one of our mills, at \$5; while \$5,122 was reduced at another oils.

MONTREAL,

MONTREAL, JULY 23.—Flour—The market is extremely dull, but prices are not altered. Geneses at \$5.50 a 5.52; a 5.52; and Michigan \$5.50 a 5.75; Ashea-Pot nakes \$5.50. Iranis, no sales.

CINCINNATI.

CINCINVATI, JULY 25.—FDIUM—Since yesterday noon, 294, bbls, have been received by canal, about two-thirds of which were sold at \$4.3-one small lot at \$4.35, and \$9 bbls, a choice brand, at \$4.31. A sale of about 150 bbls. Cuy Milds yester day evening, at \$1.3-still getting by dray load at \$1.50.

GLEVELAND.

CLEVELAND, JULY 27.—The supplies of wheat by wagons, are very triffing, and \$1 per bushel is readily paid. Take from hoats have rangel from \$1 a \$1.06 according to quality The quantity offshing is small. From the Second Tring more freely, than the demand re-

quired, and prices have given way, sales having been made at \$1,00 a \$5 from bunts: the latter price is not accepted by some of the holders.

No AWERTHEMENTS will be inserted in this paper except such as relate to Agriculture, Horticulture or traral affairs, and none will be inserted more than three times in succes-sion. Terms of Advertising—For 12 lines, or te, \$81, for the first insertion, and 30 cents for each subsequent inser-

ENGLISH IMPORTED SEED WHEAT.

FIGURE OF TWENTY kinds of the finest varieties of February Wheat are for sale at the Seed Store. Amateur farmers are invited to cell and examine it.

Aug. 2. BATEHAM & CROSMAN.

FALL SEASON.

THE IMPORTED ENGLISH HORSE ALFRED IS now at my Stable in Greece, 6 miles west of Rochester, —near the Canal—and will continue there until the first

IS now at my exame and will continue there until the mass day of September.

All mares which may be sent shall receive the hest attendance, accidents and escapes being at the risk of the owner.

THOMAS WEDDLE.

Great Sale of Durham Cattle.

Great Safe of Dinham Cattle.

THE safe of cattle, abvertised by the subscrite ro by a place at his farm, on Wednesday, 91st of July, has consideration of circumstances, been postponed till MONDAY AND TERMAY, THE 6TH AND TEN DAYS OF SEPT., WE ON those days he will offer at public safe, without reser at his farm near Cheviot, seven miles from Giachim pethags The Greatest NUMBER OF REALLY CHOTE INTO YEAR OF THE INFROMENTANCE INTO YEAR OF THE INFROMENTANCE INTO YEAR OF THE INFROMENTANCE IN THE OFFICE AND T

CALLOTTIE INFOVERSHORS HAVE BEEN AND ASSAULT BY AN YOUR PLACE IN AMERICA AND BERKSHILL ARE STREET, AND BERKSHILL ARE STREET, AND BERKSHILL ARE STREET, AND BERKSHILL ARE CONTROL OF THE OFFICE OF THE OFFICE AND BERKSHILL ARE STREET, AND ASSAULT ARE STREET, AND ASSAULT AND

of this region.

Also, a very fine farm of 115 acres, with good brick hor
and other improvements.

The terms of sale for the cattle, will be one year's credi
and for all sums over \$1000 the privilege of a forther yea
itme, by passing six per cent. interest-approved personal
real security.

The terms for the farm will be one fourth in land, and a

The terms for the farm warms one, with annual interest balance in three annual payments, with annual interest six per cent —with mortgage on the premises for the unprinciple of the will like NEFP Cincinnati, O. July 15th, 1811.

FRUIT TREES.

THE subscribers have for sale, at their Nursery, as Macedonville on the Eric equal, 2000 Peach trees, of thrifty growth, at 25 cts. each, \$20 p 100.

100.

800 Cherry trees, (seedling stocks.) from 3 to 5 ft. hig 37½ cs. cach.

700 Apple trees, 3 to 7 ft. high, 25 cents each, \$18 per R And in addition, a few bundred pear, apricot, and nect rine trees, of smaller size and of the best varieties.

The Peach trees consist chiefly of the following varieties. The Peach trees consist chiefly of the following varieties. The Peach trees consist chiefly of the following varieties. The Peach trees have, Large R Rateripe, Ear York, White Imperial, Royal Kensington, Seabott's dar, red.) Yellow Alberge, Red Cheek Malcotton, Lake Yar and Heath, forming a succession of fine fruit for more the two months.

two months.

The varieties of the apple are, Woodman's Early, Yello Harvest, Bough, Sine Qua Non, Buffington's Early, Stravberry, Rambo, Beliflower, Swaar, &c.

The Cherrice include the May Duke, Early Richmool Black Tatterian, White Tattarian, Black Carone, Transp.

nack Jarunian, winte Jarunian, Biack Carone, Transpireric Gingne, Caranton, &c.

"I" All of which hore been propagated from beering free
and their genuineness or excellence fully tisted by rigid exam
nations of the fruit. "I"
This practice will be invariably adhered to, however lim

ted in consequence may be the supply. In propagating, freuse has been made at all times of the fine collection of prived fruit in the possession of David Thomas of Cayugacou

ved fruit in the poss-ession of Davil Thomas of Cayagacous V, and no pains have here spared by the subscribers in estending their list of varieties for examination, selection trom which, in addition to the above, will be offered to II public next year.

Orders from a distance, directed "Thomas & Smith, Macdon, Wayne county, N. V." accompanied with remittance will be faithfully and framply attended to. Orders may a will be faithfully and framply attended to. Orders may a property of the state of the selection of the subscribers as to selection.

Purchasers will please state, when any discretion is the subscribers as to selection.

Maccdon, 8 mo. 1, 1841.

J. J. THOMAS.

ROCHESTER PRICES CURRENT.

CORRECTED FOR THE NEW GENESEE FARMER, AUGUST 2, 1841 WHEAT, ... per bushel, \$ 1,06 a \$ 1,09 50..... 35..... BARLEY,..... " 44..... 50..... $62\frac{1}{2}$ 75 POTATOES, ... " (now)
APPLES, Descrt, " (do.)
" Dried, ... " 88 75..... 75..... 100 75..... FLOUR, Superfine, per bbl . . 5,00..... " Fine, ... " ... 4,50..... SALT, 1,50..... 4,50..... PORK, Mess, "10,00.....11,00 " 9,00..... 10,00 Prime, BEEF,per 100 lbs...... 4,00..... 4,50 EGGS,per dozen, 10..... BUTTER, Fresh, .. per pound 10..... 9 7 6.... LARD, "
TALLOW, Clear, ... " 6..... 8..... HIDES, Green " ... 5..... PEARL ASHES, ..100 lbs..5,00..... " ..4,50..... WOOL,pound,.. 30..... £71 bulk(at Wheatland) 3,50

The weather is fine, and farmers are busily engaged hur vesting their wheat. But little business is doing in mar ket; some small lots of new wheat have been brought in mostly for retail trade. The price of wheat is rather un settled at present, and has declined a trifle, but we do not think the late accounts from England and New York are salculated to depress the markets. Considerable quantities of flour have lately been shipped from this place for Mantreat-const traffe duit.

B. EATERAM, F. CROSMAN,

Proprietors.

VOL. 2. ROCHESTER, SEPTEMBER, 1841, NO. 9. | JOHN J. THOMAS, NO. 9. | M. B. BATTHAM, Uddors.

PUBLISHED MONTHIAY.

TFTV CENTS, per year, payable always in advance, ost Mesters, A coats, and others, cending money free of lage, will receive screneously for \$3,—Factice copies for \$10.

—Tacatic-are copies for \$10.

The postage of this paper is only one cent to any place him this state, and one and a hulf cents to any part of United States.

United States, ddress BATERAM & CROSMAN, Rochester, N. Y.

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Toffleaders and Correspondents, see compelled to omit essend communications, sewritten in Canala, and various other metters inled for this number. Our friends must write lier in the month to ansure their criticles on insert. Mr. Butchem has been about most of the past att.

Hints for the Month.

Sowing wheat is the most important operation to starmers during this month. It is a matter of the consequence whether the cultivator obtains ten, thirty bushels at next harvest.

set the business then be done right. Above all, do sow after wheat of this year. Many of the misscrops this season resulted from this practice.

Plough deep at least once, where the soil will adt of it. If subsoil ploughing examet be practised,
ne as near to it as you can. A large portion of the
soil of Western New York, as well as of other
ces, contains a portion of mail (lime,) and mixing
with the rest of the soil, is one of the very best
yo of applying this manure. Independently of this,
to ploughing is very useful.

lough evenly and turn narrow furrews. This is only way to do the thing right.

Est the bast seed you can find in all the country and if it does cost a little more. The kind we rememded on page 141 of last volume of this paper, the sustains the character there given of it. Let ur reed be as clean as possible, as it is exceedingly lish to take such pairs to plough and prepare your lain. For wheat, and then go and enw cockle, 'ess, and such wretched such for a crop.

Loady, plough in your wheat with a light plough, leaving it rough just as the plough leaves it. At least try the practice. We have known it to succeed admirably. And do not forget the well cleaned surface furrows for draining, where they are wanted.

Cut up worn this month as soon east becomes hard, that the folder may be well saved. The ripening process will be fully complete by the nonrishment afterwards derived from the stalks. Nover mutilate comby topping it.

Let your hogs begin to have the dropping apples from the orchard, and they will fatten tapidly.

Never feed unground grain of any kind, to hoga-Let your ewill or bag-portidge be formented it you cannot bed it—to do which, you must have two swill tube or barrels, feeding from one while the other is fermenting. But extensive hog-farmers should always built he food.

Keep every thing in first-rate order—cattle in good keeping and fine condition—horses lively, and not over worked nor under fed—calves fit and growing, so that they may winter well—and every thing electin equal style—and finelly, purvue the maxim of the datinguished classical American statesman,—"1 Deserve you're right, then GO AHEAD!"

Wheat and Canada Thisties.

If the Canada Thiade should generally induce our farmers to callivate their land better, its evil aspect would be greatly softened, though we should not dare to call it a blessing in disguise.

In years past we have frequently endeavored to call the attention of cultivators to this subject; and have given some details of the facility with which this weed could be destroyed; but our inst number contains two communications, which we think deserve some further notice; and we would hold them up for the encouragement of others.

"I commenced about the first of June," says our friend V. Yronges at page 114, "and ploughed them about once a month, and harrowed them as often-uit about the first of October. The result is, their entire destruction, except a few places where the ploughing could not be well done."

Not less favorable is the report of our correspondcial Accessive D. Ayras at page 117. The field contained six acres, principally occupied with Contada thistles, on which a Florida wer had been waged of trementy-five years, or more, with little prospect of success or termination.—In the latter part of May, I broke it up—ploushed the ground deep four times, and harrowed so often in the heat of summer.—The result was [14] bitled the Conaba thistles, and my ground is in good condition for after cropping." In consequence of this superior enture, and high manuring, the crop of wheat which followed was very fine; and we are left to infer that nearly sixty bushels to the sere were obtained.

Two causes have conspired to make farmers slovenly, and to spread the Canada thistle: One is, the storing desire to raise all the wheat they can, by putting in as much of their land as possible; and the other is, the very short time they have to prepare the ground Business in the growing season of this climate, burries the farmer at every step. The getting in of sping crops is often greatly retarded by unfavorable.

weather, and sheep-shearing, road mending, and some-times continued rains, interfere with brighting up the follow. Then comes the been of corn, potatoes, and field-beets: and unless the fatinat bestirs himself, layenshing well be on his broks. Harvesting the battle, wheat, and onts, is rarely fluidhed before the nordes of the last month of sounter when many are beginning to sow their wheat—so near do seed time and harvest apprach in this district. How then is mutuaring and ploughing the fallow once a mouth to be accomplished? Go over less ground—apply the same amount of labor to half the quantity of land—ruse double crops to the zero (no weeds)—and receive the remarked of the trut for pasting scal metabolic rights and the remarked of the trut for pasting scal metabolic and the scale metabolic rights.

Sometimes however, slavenly management sneceeds well with wheat; and to succeed once, like gaining a prize in a lottery, encourages the farmer to try it again, though there are ten chances against him. Success is niways sure to be remembered. "Censubble," or potato ground is often sowed too live for the wheat to tiller, for it rarely it ever tillers well in this district if sincel more than a week after the our crosses the line; and then between freezing out in the winter and spring, and the rats or blight in sum mer, the crop stands but a poor chance. From lotteries of all kinds farmers rught to keep clear.

We now revert to another branch of our subject. Deep ploughing, or pulling up the triadles by hand, is far more destructive than to cut them of mear the surface. In the latter case, the horizontal root with the upright stem attached to it, remines undisturbed, and the plant prepares to recover its follage without delay. But when the plough breaks up the horizon tal runner, or the barrow draws its fregments to the surface it comperishes in dry weather. There is a profit in taking the most thorough course.

The Flowers of Summer.

Very few annual flowers have succeeded this sea son, so severs has been the drought. We have not seen a Baltamine, except some that were watered by a small till. Convolvebrative and Zania coccinera attempt to display their beauties, but they often droup in the parching sir. Some species of Ipomea (besides the following) are also in flower, but less vigorous than usual.

The Cypress Fine, one of the most delicate forms of the Vegetalle Kingdom, requires a rich soil, and seems to chipy a treat of scap-suds. It is a morning flower, not intended for late risers.

The Tiger Li'n, though shortcored in its stem, has lest none of its fieshness: the Galardia continues to untold its purple disk and yellow 1892; and Echicaps spherocephalus appears not to suffer from any lack of moisture.

The same remark will extend to the Rest colored Lex Clore, so erect in its stem, and so neat in its leaves; to Historic Carlonersis? with its fine resy flowers; and to Cicharium intulus with blue rays so prettily fringed. You this plant is generally an offersis because it is an intuder, hard to be restrained within reasonable limits, and then pertinanceously adhering to the soot it has chosen.

Silone Regia displays its brilliant scarlet; and the old Monthly Honeyauckle, like all other sweet flowers is less fragrant in dry sir, but always interesting on account of its beauty, and of our early recollections.

The White Argensone, an old farritin-and the modest Exchin lawerifolia,—bloom, Crangh feelby; while Periphoca grava, as if recollecting the hot dry air of its native land, seems to rejoice, and puts forthis long polithed leaves of dark green, in chundance.

is, the very short time they have to prepare the ground Business in the growing season of this climate, hurries the farmer at every step. The getting in of spring crops is often greatly retarded by unfavorable Scotling is branched.

Machinery applied to Agriculture.

Messas. Entrops-I herewith sendyou a notice in the New York Tribune, of a work which proposes as great a saving in the manual labor pertaining to rural economy, as the power! com has effected in the production of cotton cloth.

I have often thought that if a portion of the great labor-saving improvements, which have in late years been applied to manufactures and river navigation, could be so applied to agriculture as to enable the North to accomplish more, with less bodily exertion and expense of inuscle, and the South to dispense with slace labor: that a greater social revolution would be produced by it, than our eyes have yet seen, or our hearts have yet felt. It may be said that man, to live well, must "live by the sweat of his brow;" figuratively speaking, that man does so live, who lives by artificial production; the high civilization which labor-saving machinery induces, only creates those renewed wants, which vary, improve, and stimulate production. The sample comforts which in past ages could only be indulged in by the rich, are new attainable by all; and if the time which Henry the Fourth wished for, when "every poor man could have his towl in the pot," has not arrived, it is plone the poor man's fault.

It may be said that the cultivation of the potato in Ireland, by the introduction of a more cheaply raised necessary of life, has produced the same effect as labor-saving in agriculture, and that the result has trebled the population of Ireland without adding any thing to their social comforts. But may not the wretchedness of the Irish be attributed to other causes that to an increased population? Is it not rather to a lack of a well directed manufacturing industry; to the want of that home trade which the absenteeism of the aristocracy produces, by leaving the workers of the soil to the grindings of the middle man and the tithe proctor; "Thou shalt not muzzle the ox that treadoth out the corn," is one of those scriptural injunctions which is never read understandingly by the land holders of Ireland. If her aristocracy would stay at home and expend their incomes there, in properly encouraging and directing the industry of the people, there is no doubt but that the emdition of Ireland would at least compare with either of the other United Kingdoms.

When reading Humboldt's description of the scanty and widely scattered cultivation in some of the most fertile sections of equinoctial America, I have felt that nothing short of the discovery of labor-saving machinery to be applied to agriculture, could ever bring all the arable land of those hot and debilitating regions into cultivation. What a stn; endous revolution in the production of the edible things of the carth, may not be produced by the application of machinery to a soil where organic Nature is enlarged to such a gigantic scale, that not only the earth produces its sempiternal vegetation, the trees their parasitie families, but even the air itself is filled to darkness by the pendant drapery of the lianas, which hang in festoons from tree to tree at the height of more than a hundred feet. S. W.

Waterloo, July 26th. 1841.

From the New York Tribune.

THE NEW WORLD, OR MECHANICAL SYSTEM, to norform the Labor of Man and beast by iranimate Powers that cost withing, for producing and pre-paring the substances of life, by J. A. Etzler. Pub-lished by C. F. Stollmeyer. Philadelphia, 75 pages.

The object of this little work is, as the author informs us, to show how to cultivate in a superior manner 10,000 acres of land by one machine and three or foar men, with a capital less than one Dollar per acre,

als, ditches, roads and perform any kind of work on the ground,—build houses, and furnish as much inan-imate power for any place or stationary machine as is wanted, -all by the same system.

The author of this work is certainly a beld, an original thinker, -- is a man of a high order of talent. Men heretefore have only applied machinery to certain general purposes, -- to manufactures, mechanics, navigation, &c., but Etzler has conceived the gigantic plan of applying it to the daily works of society,—to cultivating our lands, building our houses, roads, canals, &c. To do all this he does not make use of costly powers, like beasts of burthen and steam, but f powers that cost nothing, such as the heat of the sun, the wind, tides, &c. He has invented machinery adapted to those powers, and so contrived it as to make use of them at all times. We of course can give no idea of his machinery or invention; the book itself must be studied; it contains plates and full explana-

Etzler has forecen and explained the immense ulterior results which would follow, if machinery could be applied to agriculture and to the various daily Labors of Man; he sees that it would do away with peverty, elevate the condition of the human race, fertilize cultivate the tropical climates, which are now neglected and which are the fairest portion of the earth. and lead to a great and fundamental Reterm in society.

We particularly recommend his work to attention, and we trust that he may find the means of making a practical experiment of his plan. The views of the most celebrated machinists have been very limited; they have not conceived the possibility of applying machinery farther than to a few specialities. not pitiful to see our large canals dug out by single spadefuls, blocks of granite hewed by human hands; bricks carried to the tops of houses on human should-It seems so to us, and no one has felt it more keenly than Etzler, and no one has undertaken before him to invent a general system of machinery for obviating it.

> For the Non Genesce Former ITEMS.

Corn-cob Feed .- The best way to dispose of cobs is of course to grind them with the corn. But we observe two substitutes which have been successfully made use of. One is to souk the cobe in a half hogehead of brine, when the cattle engerly thrust in their noses and devour them. The other, or better way. is to boil them. One farmer says he would as soon throw away his fodder as his coba.

Preserving Cheese .- Solon Robinson says a neighbor has practised for several years the method of preserving his cheeses by placing them within a hav stack, where they are kept from freezing through win-

Foot rot in Sheep.

An intelligent and successful wool grower informs us of the method by which he entirely precents the inroads of this disease.

It is known that the sheep, when removed from its native mountains and rocks, to the soft and luxuriant pastures, no longer has its hoofs worn away as in a state of nature, by which as they grow they are preserved fresh and sound,-but the outer part, which is naturally intended to support the weight of the animal, grows out of all bounds, until it laps more or less over the sole, and retains the accumulated earth and filth which collects within. From this the disease originates.

According to our informant, by repeatedly und earcfully paring off this crest of the hoof, as often as nece sary, the disease is effectually prevented. Where it has already made progress, something more is necessary, as the application of turpentine, or tar with cautorization, the disease being very similar in nature to the "foul in the foot" in cattle, which is successfully treated by rubbing a hot iron rod with tar, between the hoofs. Although it had made such profoar men, with a capital less than one Dollar per acre,
-how to clear land from trees and stumps, roots and
stones,—fill and drain swamps,—make dams, can
tween the hoofs. Attrough it had made such progress in the flocks of our informant, as to cause indinatt Chronicle, makes the export of the State from Cles
recelly the loss of several hundred sheep, yet he has
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succeeded after a year or two of careful attention. removing it entirely.

He thinks it rarely reaches that degree of mal nancy described by European writers, by whom it represented to become contagious, and occasion rectly the destruction of the unimal; or at least ti several years would be required to produce such a sult; death appearing here to be caused by the seve ty of winter operating on weakened and emacia animals affected by the disease.

Resources of the West-Agricultural Riche

How can we better promote the objects for wlthe Genesce Farmer was established, than by publi ing some articles calculated to expand the thoughts our Farmers by reference to the growing greatn and glorious destinies of the Mighty West? The dig ty and importance of Agriculture can only be prope estimated by contemplating such views as are here p sented in the annexed statements from Mr. Penfield formerly resident in Rochester-a man whose tale and observation enable him to speak confidently on vost topics which he discusses. Were Mr. Penfiunknown to us personally, we have an endorser his behalf, whose testimony would alone secure an sertion for his statements. That endorser is JE HAWLEY-well known as one of the earliest a stendiest friends of INTERNAL IMPROVEMENT in State of New York. Mr. Penfield was formerly der the instruction of Mr. Hawley; and doubtless p fited considerably by the statistical knowledge enlarged views of his friendly instructor. The art has not suffered in value by the delay in publication though we must apologize for omitting it till this to -having had it in possession for some months. it be read carefully-let its statements be matur considered-and let other etatements bearing on great questions, be attentively examined with a v. to more thorough knowledge of the vast regions v tered by our Inland Seas. From the Cleveland Heral

Wheat and Flour Trade of the West. NEW YORK AND OHIO COMPARED.

Mr. Eurror-In making up some accounts on subject for a private communication, I have sit thought the figures would not be uninteresting come of your renders; and hope I shall not be c sidered too tedious for your columns or their nence, in the closing remarks.

There arrived at Cleveland by the Canal in 18 504,900 barrels of Flour, and 2,151,450 bushels Wheat. We compute the flour as in wheat, alk ing as in other instances that follow, 5 bushels to e barrel of flour, making the aggregate 4,675,950 bu There was bought from wagons besides 80,000 bt of wheat and considerable flour; the exact quan not to be ascertained, sufficient, however, for the c sumption of the city. The exportation from place then was equal to 4,755,950 bushels. Sevi other points on the Lake within this state also s large quantities; at Fluron for instance, equivalen 472,878 bushels during the past season. of Ohio on Lake Erie we estimate from 51 to 6,00 000 of bushels. That on the Ohio river we have the means of stating with so much securacy. So nortion of the 139,637 barrels of flour shipped to from Pittsburgh; the past season, was doubtless fr Ohio wheat. There are several points on the ri that send off more or less, besides those of Portamou where the receipts by canal were 34,134 barrels flour, and Cincinnau, by the Miami canal 165, barrels of flour, and 97,200 bushels of wheat. put the river export equal to 2,000,000 of bushe making that of the State, not less than 7,500,0 bushels.

Governor Seward states in his message at the ope ing of the New York Legislature, in January la nation of the Erie Canal, 1,805,135 barrels of and 1,395,195 bushels of wheat, equal to 10,420,8 hushels. Deducting from this quantity, that p which went from the Western States, as will here:

e noted, and there remains as grown in the State ew York, 4,729,463 bushels; giving to Ohio an ort trade of wheat over Western New York of than 21 millions of bushels, or nearly 50 per It any flour has been sent from Rochester to ada, this result will be so far affected, but we ap-

cad little if any lass been sent.
here entered at Bullalo and Black Rock per state-t of Custom House at Butlalo, 1,552,888 bush-of wheat, and cleared from Bullalo, per Canal ector's statement 689,635 barrels of flour. umption of Butfalo and vicinity of western flour veral thousand barrels more; besides small supsold to ports between Ohio and Buffalo.

here entered the Welland Canal 200,016 barrels our, and 1,833,765 bushels of wheat, which adto the figures at Buffalo and Black Rock, makes mtire export from Lake Pric 7,809,903 bushels, he growth of the We tern Sintes-a surplus we behend not ally comparing, the relative extent of te and population being also considered, with that h was garnered by Joseph for Pharonh, in years Egypt yielded even mere than her usually abunharvests. We observe here, that in one county ering on Lake M chigan, the harvest of wheat unimer was diminished by blight from what was eted as calculated by a committee, of 500,000 els. This quantity, so large, has not been brought

y high prices, for the very opposite has fulled.
If the quantity passing the Welland canal there
ed at Oswego 707,157 bushels of wheat, and 5 barrels of flour; and of this 43,839 bushels of at, 116,300 barrels of flour were shipped east on and from Oswego, and 35,579 barrels of flour to nda.

quantity as before stated by Governor sward.

uct shipments from Baffalo and Osego, 4,691,402

wn in New York as before, 4,729,486 ned from Cleveland as before noted .. 4.755.950 he average annual export of wheat and flour from whole United States for an indefinite period past tot equalled that of Cleveland the past season. t to New York, Baltimore has the largest flour an the sen board; but the inspections there nevached 600,000 harrels till the past season by the ections exceeded 700,000 barrels, or say 4,000,000 els of wheat. New York receives flour from all of the west and south, yet her inspections had r been so large as the receipt at Cleveland the season till 1833. Agnin, if we estimate the res at New Orleans and the quantity sold on the above at 500,000 barrels, the west, besides supig a large emigrant population furnishes more at then the rest of the Union. We may res here that the crop of corn the past season in , Indiana sai Illinois, cannot be estimated much r 100,000,000 bushels.

would appear that the quantity of western wheat to Canada, including the flour from Oswego and mall quantity of wheat to Ogdensburgh, was

d to 2,309,443 bushels.

he Canal Commissioners of New York in their annual report state the business of the Welland at 00 tons, whereas the whest slone execeds that ent; and if the produce of the west going through Welland and entered at Buffalo it would have led the whole amount of tolls of the Eric Canal awards of \$2,000,000. Less than one-third, as een, of western wheat went to Canada to twenty rent points above Montreal; and so did even this ion fill these ports with an avalanche rush, that farmers, waking up to the threatened destruction teir interests as they conceived, immediately pened the Home Government to lay duties on the ortation of flour and wheat from the United Statethe provinces, virtually shutting out the unwelle flood. We heard also how the accumulation increased at one point of the transit, (Kingston,)

complete glut, choking up the St Lawrence, occupying not only all the facilities of transport line of navigation traversed for nearly two cones, but had so taken up all the means of storage large quantities lay out of doors for some time, finally, many vessels awaiting to be discharged formed long quarantine for that purpose. We see what effect this has on the exports of Montre-

and Quebec, and how it tends to augment British The quantity exported from these places past season was 72,725 businels of wheat, and 1,034 barrele of Busic open to 1,633,195 businels, of which saving about 7,030 businels was sent to 1 with a spendix to Dr. Heack's "Memoirs of De Witt Onton" in 122.

Great Britain. But it would seem that Canada has not taised her own bread; for, deducing

For western money eent her, 2,309,441 Her exports above, 1,688,195

But let us follow this flour to the ports of Great Britain, admitted as it is by a very singular and faverably constructed tariff for Colonial Commerce. Pacre have been for several months shipments of flour, not to a large extent it is true, making from New York to England, and if the same amount of exportation of Montreal and Quebec above had been made from New York and the price in England equal to 62s, sterling per quarter, the duties would have But being from Canada they were only, ... 220,398

The difference being the benefit to colo-\$864,960 nal commerce, er about 51 cents per bushel.

But to roturn-such is the West; the "gurden" and the granary of America, sending her products from the interior of a comment in every possible direction, taxed as they are by the charges of an inland transportation of 1,000 miles before they can reach the open markets of the world: giving the staff of life to the languishing factories of New England, to Old England, to Canada, and the Cotton and Sugar plantations of the South-

We have stated the export trade of Lake

... 7,809,908

Buffulo in 1826, the first year after the Eric Canal was completed-the Wel-

land not opened, were "453 tons," or 14.045 Such has been the growth of this one item, of the commerce of Luke Erie in the short sp ac of fourteen years, since the departure of the first canal bost from her waters was announced by the splendid and unrivalled telegraphic cannonade; marking an era in the commercial history of America, second only to that of us discovery by Columbus: Such is the past-of the future; imagination returns from the contemplation with fittigued wing and proclaime, "tap Lake Eric' at as many points as you will, and with such di-mensions as you will, the avenues shall all be fill-

ed. Here is a commerce suddenly waked into life, not diverted from other channels, but new created; yet more important than that which for centuries had traversed interior Asia, borne by the slow and weary carayan, halting at the gates of magnificent Palmyra on its way to renewned and commercial Tyre and other Phonician ports of the Mediterranean, or that subsequently, by another route, for 1800 years deposted its wares in the ampler store houses and more splendid shops of metropolitan Alexandria and Venice; or which at a later period, without reshipment, re-warded Porteguese enterprise in the success of a Vssco de Ganas. If

" Westward the star of empire takes its way;"

westward too, moves the etar of commerce.

The mind in looking at this great change seeks to find what it is, that, with such rapidity is transforming a vast wilderness into fruitful fields; where man had first to cut his path into that wilderness, build his cabin, and clear away the forest before this stream of commerce could begin to flow. The construction of lake harbors and the use of steam navigation have had a great influence in this matter; but towering high above all other agencies stands that of the Eric Canal. That was the key that unlocked treasures of ever increasing value and ever augmented growth. fortunate among the sons of men was he whose mind was instrumental in effecting such strides in his country's glorious career. Yet that individual, who, more than a third of a century since, grasped the mighty thought and gave through the press publicity to the grand design in his "Overland route of the Eric Can-* has never had the slightest recognition from his own state that receives the yearly increasing revenue from its tolls. Not less has the National Treasury everylowed from the sales of the public domain to which the influence of that canal has so much contri-

We mingled in the throng that in last summer's solstice congregated on the green spot of Maumee's banks, the story of whose defence had impressed itealf so indelibly upon the memory of our boyhood days. Heard we not, mingling with the war blact of the brave, other bugle notes that came from the still gliding canal boat on the opposite side of the river,

pursuing "the even tenor of its way" for on where the battle field of "Toppecanoe" echoes to its thrifting tenes—where the Wabash rolls its tide toward Masissippi's flood-eo that boat bearing on its return the rich harvests from that celebrated field of song .-That canal is one of the daughters of the Eric canal, with others of a numerous sisterhood, bringing its tribute to the mutual improvement. But ere the clash of arms was heard on that field, there had been developed in another quarter the project, that laid the foundation of this northern line or commerce which has already encircled this interior spot with the srms of its mighty influence, and is fast pervading every part of the illimitable west.

But however unmindful of his eminent services rendered, the generation to which he belongs may be, posterity may do him justice. Indeed the calarged canal itself and its increasing business will be a monument, raised still higher, and the record more indelibly made, of the merits of Jesse Hawley. It is quite beyond the limits of a closing article to even hint at the benefits which the West line derived from his labors. But while we survey with him the vivid paperama of human industry and happiness, which he was instrumental in producing, we would for a mament, point him to that part of the picture where, on a western prairie, he could see "one field of 20,000 acres of wheat" waving its golden head to the passing breeze; and parting with him who would not forget, that his hand touched the spring that set in motion a many thousand wheeled machinery, growing more complex and extended, the hum of whose noise shall be heard far down the vale of time.-If he is worthy of the gratitude of mankind who makes two blades of gross to grow where but one grew before, what shall be the measure of praise awarded to him, who had such an agency in the production of so great harvests as we have considered

A. PENFIELD.

On Bran as a Manure.

Sin-As this is the senson for preparing the turnip crops, I am desirons of calling the attenuon of your readers and the scientific agriculturists, to the consideration of bran (the busk of wheat) as a manure, not only for ternips, but also for wheat and grass. great facility that every farmer has of obtaining it from his neighboring miller, and its exceeding cheapness, (now about £4 10s. per ton,) warrants their trying a series of experiments in drilling it with the turnips and wheat, and putting it over their grass lands as a top-dressing; substituting it for bone and other manures, which are costing two or three times as much an the bran would.

Experiments have been tried but not extensively enough to warrant its being said how much is saved in expence, and what quantities per nere ought to be

used to render the best return. It is to this point that I wish attention to be directs ed, and as Sir Humphrey Davy in his "Elements of Agricultural Chemistry" writes—"Nothing is more wanting in agriculture than experiments in which all the circumstances are minutely and scientifically detaile!"—would some of your readers assist this object, and drill a small portion in each of their fields of wheet and turnips, with bran in quantities from 3 to 6 cwt. per acre, and report the result in your paper; that is, the quality of the other mannre used, the respective cost for manuring an sere, the yield, and the quality of the ground experimentalized upon

The following extracts from Liebig, would leave, in theory, bran to be at once the cheapest and hest man-

ure that could be omployed:

"Phosphate of magnesia, in combination with ammonia, is an invariable constituent of the seeds in all The bran of flour contains the greatest erasses. quantity of it.

"The perfect developement of a plant according to this view, is dependent on the presence of alkalies or alkaline earths; for when these substances are wholly wanting, its growth will be arrested, and when they are only deficient, it must be impeded.

"So likewise none of our corn plants can bear perfeet seeds, that is, seeds yielding flour, without a large supply of phosphate of magnesia and ammonia; substances which they require for their maturity.

"It is the greatest possible mistake to suppose that the temporary diminution of fertility in a soil is owing to the loss of humus-it is the mere consequence of the exhaustion of the alkilies." - Mark-lane Express.

Agriculture is the nursery of patriotism and virtueaided by science makes a great man. All the energy of the hero and all the science of the philosophe tmny find scape in the cultivation of one single farm

New York State Agricultural Society.

CATTLEISHOW AND PAIR ATSYRA-CTRE.

At a meeting of the Executive Committee of the N. Y. State Agricultural Society held at Syracuse. Ang. 18, 1841—Present, Messrs. Nott, Johnson, (of Oneida,) Gaylord, Randall and Tucker,—the following viewing Committees were appointed to award the Premiums offered by the Society at their Cattle Show and Fair to be held at Syracuse on the 29th and 30th and Fur to be as a days of September:
ON CATTLE.

Class I-Bulia-Of any breed, 3 years old and upwards. Henry S. Ran I. B. Cortlan I. C. N. Bennent, Albany, William Garbut, Monroe, J. M'Donald M'Layre, Albany.

Classes II and III-Bulls-Of any breed, under 3 years old. Francis Rotch, Otsego, IJ, C. Hadhaway, Ontario, Henry Rhoades, One la, George J. Phunpelly, Tioga.

Class IV-Cows-Of any breed, 3 years old and upwords. Anthony Van Bergen, Greene, Thomas Hollis, Orsego, E. P. Prentice, Albany, Tra Hitchook, Oneida, Hiram Bostwick, Cheming.

Classes V and VI-Heiflas-Any improved breed, under

3 years. Phomes Weddle, Monree, John Gaskin, Otsego, Lewis F. Allen, Drie. Silas Gaylord, Onen inge, John Gaskir Jonal Davis, Chemung.

Class VII -- GRADE COMS.

Garret Sackett, Seneca, M. Bullock, Alliany, C. S. Button, Wryne, Thomas Goodself, Oneida, William Citley, Onlario, Class VIII-Guade Heirigs.

S. W. Prace, Onordaga, Wm Alexander, Olsego, John M. Sherwood, Cayaga, D D Campbell, Schenectady, Rufus Bores, Cortland.

Class IX-Cows- Natice breeds Myron Adams, Ontario, Aaron Cains, Oneida, Thomas S. Meacham, Oswego - Crane, Herkimer, Tyler Fountain, Westchester.

ON HORSES.

William T. Porter, N. York, Welliam Bartlett, Cortland, Lewis F. Allen, Erre, John J. Vicie, Ronnselacr, William B. Ludlow, Columbia.

ON SHEEP-Class I-Long Wooled. John P. Beckman, Columbia. Thomas Jackson, Otsego, John Snooks, Onondaga, Widham C. Cornell Mouroc, John Holmes, Washington.

Class II-Middle Booled. A. B Allen, Eric. Thomas Dunn, Albany. L. D. Clift, Putagm, Howell Gardiner, Spratoga, Witham Musson, O sego.

Class III-Fine Woole 1.

William Randall, Cortland, H. A. Morrell, Tompkins, Henry D. Grove, Remischer, J. W. Kneevels, Dutchess, Robert C. Nicholas, Ontario.

ON SWINE.

John Randall, Chennege, Nelson Washburn, Otsego,
Ezra Cornell, Tomplans, Eron Constock, Onenda
William Salsany, Greene.

ON PLOUGHS.

Jesse R. Burden, Reinischert, Humphrey Howland, Cayuga, Anthony VanBergen, Green, Jeremiah Johnson, Luiz-John J. Thomas, Outeron, Eawson Harmon, J. Monroel-S. W. Sevect, Vermonder,

ON CULTIVATORS, DRILL BARROWS, AND HARROWS.

James McCall, Allegany, L. C. Bail, Renoschier, Enoch Marks, Onondaga, Arvin Rice, Oswego,

ON THEASHING MACHINES.
L. B. Langworthy, Mostoc, 13. W. Patierson, Livingston,
Orville Rungerford, Jefferson, Lauren Reach, Onondaga,
Micai Brooks, Laringston.

ON HORSE RAKES AND STRAW CUTTERS, Nicoll Halsey, Tompkin et John B. D.B. Cayuga, Jabez Burrows, Chatanque, Hiran Hoplans, Cordand, Chester Moses, Essuir atches.

ON FARM IMPLEMENTS- Yet enumerated above. ON FARM INPLEMENTS—Not encounted above.
William Pausous, Ningara, | Joseph Hastings, Reinnsolaer,
Ira Hopkins, Cayuga.

ON SAMPLES OF GRAIN. Pomercy Jones, Oacida, R swell Cursis, Cayuga, George S. Taylor, Cortland, Warner Abbott, Guondaga, E. S. Beach, Monree.

ON SAMPLES OF ROOTS. Hemen Chapin, Ontario, S. J. Eheades, Onominga, S. B. Burchard, Madison.

CN HORTICULTURAL PRODUCTS. Frid Thomas, C.,vuga | Grant Thorburn, Queens, A. Exander Walsh, Renusalaci E. Hollicock, Duichess, Olice Padre, Over o. COMMITTEE OF ARRANGEMENTS. Onundara Co. Locaty.

State Society, Henry S. Ramuall, Harvey Endwin, Lettler Tuches, P. N. Rust,
Jas. Savare,
M. D. Burnett,
D. P. Wallace,
J. M. Ellis. Wdimm Faller, M. B. Batchaon.

The following gentlemen were appointed a committee to solicat members and funds for the Society at Symmetic:

M. D. Bornet, Esq. H. Bablwin, Es ; J. E. Lawrense, Esq. J. Sanford.

Additional Premiums. TO BREEDERS.

F. Rotch, Esq. having given the Society \$30 for that purpose, Fremmuns will be awarded to breeders ns follows:

To the breeder of the best thorough bred Bull. . . . 510 00 To the breeder of the best thorough bred Cow 10 en Fo the breeder of the best thorough fred flow 10 69
Po the breeder of the best thorough fred Heifer 19 00

FOR WORKING OXEN.

Willis Gaylord, Esq. having contributed \$20, for that purpose, a premium will be given For the best yoke of working Ozen. \$20 00

In awarding this Premium, particular reference will be had to the close matching, excellent training, and decility of the animals, as well as to their general good appearance. Committee: - Abel Baldwin, David Bundy, and Dan. Hibbard.

FAT CATTLE.

Mr. Rust offers a sweepstakes, twenty dollars entry, for the best yoke of fat cattle. Committee: -B. P. Johnson, B. D. Noxon, and M. D. Burnet.

UP A Proposition March, under the direction of the Onoudaga County Agricultural Society, will take place immediately after the Trial of Ploughs, on the second day of the Fuir.

REGULATIONS FOR THE FAIR.

1. A Committee of Arrangements, consisting of five members, will in conjunction with a committee consisting of the same number, appointed by the Onondaga County Agricultural Society, exercise a general supervision and control on the day of the Fair.

II. Clerks shall be appointed by the committee of arrangements, who shall occupy a convenient stand near the place of exhibition, who shall give to every one entering animals, cards, with the number of the pens which and animals shall occupy, and the preminns for which said animals are entered, written thereon—and such cards shall be conspensively placed upon the pens containing the annuals. A list of all wich entries shall be kept by such clark.

III. No animals shall be removed from the pens until the close of each day's exhibition without permission of a member of the Committee of Arrange-

IV. Applicants for premiums on animals will be prepared with written statements accurately detailing he age and method of feeding such animals; and hose drawing premiums may be required to make outh to the correctness of said statements. Such written statements will be delivered to the clerks on entering the animals.

V. All animals will be examined and premiums

awarded on the first day of the Fair, and the viewing committees will commence their inspection at 10 o'clock, A. M. No spectators will be admitted to the yard until after the viewing committees have performed their duties.

VI. Implements, products, &c. will be examined on the second day of the Fair. Implements, particularly ploughs, will be put to a full and fair test.

VH. Any inhabitant of the State will be suffered to compete for premouns on an mals and products, and any inhabitant of the United States for premiums on implements, on the physical ci one dollar, if not already members of the Society.

VIII. Viewing Committees shall in all cases have power to examine applicants for premiums personally, when more particular or satisfactory information is desired.

IX. No premiums shall be awarde! without a competition, tude is the viewing commutee shall deem the animal or product or implement exhibited, highly meritorious-nor in cases where there is competiton, unless they shall consider such product or implement worthy of the same.

X. All reports of viewing committees shall be made in wiving and signed by the members assenting the reta-

XL. All persons intending to compete for the pr minums on animals, should give notice to that effect or before the 20th Sept to Latrice Tucker, Alban H. S. RANDALL, Cordand Village; M. B. BATEHAL Rochester, or P. N. Rust, Syracuse-in order th the necessary accommodations may be made for thei It is desirable also that those who intend to compe for the puzzes on Implements should give notice above by the 20th September.

Owners of stock throughout the State and m infactmers and patentees of agricultural and hor cultural implements, throughout the United State are invited to present their animals and implen en Samples of fairs and garden products, silk, cocool domestic manufactures, &c. &c., are also solicited Discretionary Premiums will be awarded

articles not enumerated in the Prize List.

The Society will dine at Ruot's, at 3 o'clor

. M. on each day of the Fair.

The officers of the Society and the Commit of Arrangements are requested to meet at the Sy cuse House on Tuesday evening, Sept. 28.

Monroe County Agricultural Society.

At a meeting of the Society held at Rochester on the 2 day of Angust the following persons were appointed specting committees to award the premiums at the exhition of the Society to be held on the 15th and 16th of Oc ber next.

On Honses-Theron Brown, Wheatland; Steph, Char Rochester; Harry Olmstead, Greece.

ON GATTLE-George Sheffer, Wheatland; Samuel H.1 vis, Sweden; Jacob Strawn, Chili; Alonzo Frost, Rock ter ; J. Allen Frost, Brighton. On Sheep.-Stephen Merry, Wheatland; Thomas V

cox, Mendon; Arthur Clark, Rochester. Os Swing.-Filward Champenny, Rochester; John F

ler, Chili; Gideon Ramsdell, Perrenton, On Photoning.-Rawson Harmon, jr., Wheatland; J

Ayranli, Perrinton; Nathan Lock, Sweden. ON FIELD URDER -Lewis Brooks, Rochester; Nicht Reed, Greece; Disha Harmon, Wheatland.

ON BUTTER, CHEESE, HONEY, &c .- Henry E. Roches Gates; Caleb K. Hobbie, Irondequeit; Hiram Nash,

ON SILE, BOMESTIC CLOTH, &c .- Joseph Alleyn, Roc ter; Henry S. Potter, Pittsford; Medad P. Parker, Ogde On IMPLEMENTS .- Matthias L. Angle, Henrietta; J Blackmar, Wheatland; H. N. Langworthy, Irondequ

On Honticultune .- Matthias Garret, Gates; Alexan Kelsey, Rochester; Henry O'Reilley, Rochester.

The Executive Committee sincerely hope that all the tlemen named will consent to serve on the Committees erfied; but if any of them cannot consistently do so, are requested to notify one of the Secretaries as sont convenient. The gentlemen composing the committees, the officers of the Society are requested to meet at the cade House at 9 o'clock up the morning of the first da the Exhibition.

The Rules and Regulations are published with the lipremiums, in han ball form, and circulated through county. Bills of the day will be published hereafter.

The Town Committees and officers of the Society genly, are requested to make special efforts to obtain men and funds previous to the time of exhibition.

L. B. LANGWORTHY, Preside

H. M. WARP, Sec'ys.

Jefferson County Agricultural Society (Organized June 19th, 1811.)

(Organized June 19th, 1841.)

LIST OF OFFICERS.

PRESIDENT.—OFFILE HUNGSOFORD.

VICE PRESIDENT.—OFFILE HUNGSOFORD.

VICE PRESIDENT S.—V. PETSTON Elichn Camp, RoBOMM, Admin Jay, R. C. CO., Woodfulf,

EXPECTIVE COMMUTER.—PEDINUM BITHY, JOHN L. G.

ROM, N. M. WOODER, ADMIN BARK, J. Ophn A. SERON

COMESTONING SPORDIANY.—Media Sterling, WatertTRESSORDAS—A. B. BRITHMAN.—II.

BESONDING SECRETARY.—Adried Fly.

Brie County.

At an adjourned meeting held in the city of Buffalo the '4th of August, for the purpose of organizing an A cultural Society for Erry County, a constitution was re; el and adopted, and the following named persons t

elected officers: ciected others:
Presumer.—Lewis F. Allen.
Vie R Pactures of Allen.
Vie R Pactures of Antora (Jeses Vanghan, of Checkiew, Henry E. Ranson, of Checkiew, Henry E. Ranson, of Checkiew, S. Lopkins of Allensia; Isaac Alten, of Collins Tim. St. Lopkins of Authors.
Consession of Allersia.
Consession of Allersia.

PREASTARE.—Genjamin Hodee, of Black Rock.
NASCHASC COMMITTEE:—Moree Case. Alden; Robert
son, Aurora; Job Bestow, Amberst; Reuben B. Heak, Builato; Benjamin B. Kestes, Boston; Job Hascall,
art; Abner Bryant, Black Rock; O'semund Warren; Lesea; Gardiner J. Kryp, Checktowaga; Richard Sweep,
Samad Turker; Collins; Lincel Farmar Sweep,
siden; Samade Turker; Collins; Lincel Farmar Sweep,
o'd Butting, Eden; Varen Edenberg, Parins; Burid P.
ditte, Hamarder; V. Villam Mills, Newstend; Rela H.
Regrove, Sardinia; Uriel Briggs, Tonnwanda; Heart B.
Gryene, Sardinia; Uriel Briggs, Tonnwanda; Heart B.
Gryene, Sardinia; Uriel Briggs, Tonnwanda; Heart B.
Gryene, Males.

Niagara County Agricultural Society. (Organized June 201, 1-11.) LIST OF OFFICERS.

PRESIDENT.—Without Parsons. Fig. Presidents.— Instopher Skeeles, John Gould. Jornesponding Steaffany —Joel McCollum.

Mrs. Prayments.— In Astopher's Sector, and Could Could Congressions Sectory and — McColling.

Sectory and — David S. Cranida.

Sectory and — David S. Cranida.

Sectory and — Sectory and Could Could

Livingston County Agricultural Society.

The Fair of this society will be held at Geneseo on the day of October. Owing to the lateness of the season, it s deemed inexpedient to offer premiums on crops this ir; but a liberal amount will be awarded for all kinds of m stock, implements, domestic manufactured goods, &c LIST OF OFFICERS.

LIST OF OFFICERS,

"REGIDENT-WIGHAM A MIMS,
GEP PRESIDENTS.—Holloway Long James S. Walfstith Baniel H. Fitchigh,
Lecondus Skerterer.—C. H. Bord.
REGISTRES.—Ulen Agrand.
REGISTRES.—Ulen Agrand.
REGISTRES.—Wilen Agrand.
LENGTES.—Wilen Agrand.
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LENGTES.—See The Brooks, Mount Morris; S. W. Smith
arta; R. H. Carroll, Groveland; W. W. Woster, Leicesi; Hetor Hitchrock, Conceus; Edward A. Le Roy, Calesia; Ashael varner, Lina, H. S. Tijer, Springwater;

W. W. Maisworth, Geneso; W. W. Wooster, Leiess-Heeter Hitchroak, Consess; Edward A. Le Roy, Cale-sia; Ashael warner, Lima; H. S. Tyler, Springwater; una Gilbs, Livonia; John E. Pompkinks, Avon. Pows Committee—Cornesius Shepard, Jon. Renben aires and Charles Coli, Genesov; Alfred Hubbard, Wind, Morgan, Moser Barron, Mour Morris and Livonia, Chan, M. S. St., Wen. S. Fullerton, Hour Morris Lammond, Spatta; M. S. Harris, A. S. Fullerton, Lammond, Spatta; and Lambell, John Alews, Ruel L. Brake, Levonia; rice Campbell, John Alews, Ruel L. Brake, Levonia; rice T. Pierce, Horatio Dyer, Zena; Ashley, Springwa-joba Henderson, James De Graw, Johan Clark, Con-nai; Col. Cuyler, Jerediah Horsford, Allen Smead, Lei-jert, John Hallowy, James Dow, Wu. Craig, Join lest, W. Sewac, James D. Harris and A. McBean, York; Lacy, T. H. Newbold, John McKay, Caledonia; John Ley, Asa Nowica, Ira Merrill.

Wayne County Agricultural Society.

the Annual Fair of this Society is advertised to be held Newark on the 17th day of October. We have not seen st of the offiners but they have published a respectable list premiums, and ought to have the co-operation and supt of the farmers of Wayne. They can get up a good exition if they try; and now that aid is given by the State, y surely will try.

The Drought.

According to our recollections, no drought as sore as the present one, has occurred in this district thin the last thirty-six years. Periods of longer ration without rain to saturate the soil, perhaps ve happened, but they have been later in the sea-1, when the heat was less intense; and the greater igth of the nights afforded some refreshment to the lde and pastures.

The following statement may serve to show how scaas of similar character often cluster together: In s fall of the year 1820, having been scant of water our cattle, not only in that season but in several at preceded it, we dag a well nearly fitty feet deep, d found an abundant supply. So wet have been e summers since that time however, that we have ver drawn a pultal, having kept it closed as one of value; but it will now probably soon be opened. ur ether wells have become very low.

others dropping their leaves as in autumn. Where the leaves simply fall, the branch will retain its vitality; but when they dry on the tree, it is death.

Yet notwithstanding these oppenrances on hard amoultivated soil, wherever the ground has been made mellow to a good depth, we have never seen young grow faster, or seem to suffer less with drought. Some peach trees in particular, have made great growths; and even now while the meadows and pastures are parched, their vegetation is in the height of as vigor.

Not less encouraging is the appearance of some field beets that were not forgotten. It has been well said that a man can produce more moisture by his boe than by his pail: in other words, it requires less labor to keep up a healthy vegetation by making the ground mellow, than by carrying water. We think the truth of this proposition may be easily shown. If rich ground be well bood once a month, it becomes a fountain of itself, to the plants that stand on it. Turn it up in the driest and bottest weather, it will be found moist; while a hard heavy soil will require watering every day.

A hard heavy soil cracks open in time of drought; exposes the roots to the sun and sir; and allows the moisture from the depth of the fracture to evaporate It possesses very little absorbent power. A light shower can hardly penetrate it from above, or the moisture rise up into it from below. On the reverse, a deep mellow soil never cracks open, exposes no roots, and the moisture that rises from below enters the whole mass of loose earth, and supplies the plants as they require it. But such a soil also imbibes moisture from the atmesphere; and, like a sponge, yields it to the roots while it imbibes more. It is a perpetual though an invisible fountain.

Another cause however, should be taken into view. Every weed or blade of grass, operates like a pump to draw out and dissipate its moisture; and from this beavy loss well cultivated ground is exempt. Further when decaying weeds are mixed with the soil, they increase its absorbent power, so that instead of diminishing, they add to its nutriment.

Perhaps some qualification to these remarks should be made on account of some plants requring more moisture than others. While we were writing the above we have had fluit trees chiefly in view, round which the soil may well cultivated without entring the roots; but some other objects of culture, even with the best bocass would scarcely produce good crops in a severe drought. We think indeed that all the soap sads from the wash-tub may be profitably applied to many plants in the kitchen gurden at such a time as this; and that the encumber, potato, and cabbage, would pay well both for culture and for

eacts and Demonstrations, in Apposition to Speculative Opinions on the Culture of Silk. Facts and Demonstrations, in

Mussas Epirons-I last week promised you some communication on the subject of Mulberry and Silk Culture, but incessant occupation has hindered me from fulfilling my engagement. You are aware of my re luctonce to writing for publication. I am unaccustomed to it; and have felt a reluctance to add to the mass of speculative and inconclusive matter which has been thrown upon the public during the past ten years. I ask therefore due indulgence while I now proceed to comply with your suggestion, with all coneistent brevity.

My farm of 86 acres lies within the corporate limits of Brockport, bounded upon the north by the Erie Canal, and situated in the southeast part of the village. e atreams, and the dusty surface of the g ound, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the street of the ground, but series and consisting of about equal proportions of the street of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series and consisting of about equal proportions of the street of the ground, but series are street of the ground of the of

some trees are absolutely dying of thirst, and a few two species of Mulberry, best known viz : Morus Alba and Morus Mulneaulis-commenced with both kinds in my garden in 1833 and upon my farm in 1806-adjacent to the plantation I bave this senson fitted up in a brun erected last season, partly with a view to this object-a cocoonery, &c., embracing a loft and garret 42 by 92, a preparatory room on the first floor, and basement for leaves, in which is a finnace for keeping up a proper temperature in the feeding deparment.

The cocooncry is fitted up with the feeding and pinning frames and apparatus, invented and patented last season, by Edmend Morris, Esq. of Burlington, N. J. The establishment altogether, furnishes pretty conclusive facts in illustration of the following propositions, viz:

That in Western New York, the culture of Silk. is a perfectly practical and profitable business:

That in order to render it so, reliance must be placed upon about an equal proportion of the Motus alba, or some other hardy variety, and the Morus multi-

That the Morus alba may be transplanted at any age not exceeding 7 years, (my perience,) and that at any age after the 3d year, its forlage may be used with benefit to the tree-that by the best method of detatching the leaf, (pruning shoots,) it may be fed without injuring the tree until rendered unfit by frost.

That the Multicaulis on suitable soil and aspect, needs no protection from winter.

That its adaptation to the worm depends upon its management.

That it succeeds admirably by being grafted upon the root of the Morus alba, upon soils and locations unsafe, where standing upon its own root.

That it may be transplanted, (roots one year old-I have I1.000 plants done this season) between the 25 and 30 of June, when in full leaf, and new, 28th Aug. be used extensively for feeding.

That Morris' frames combine decidedly more advantages for insuring success, in the important operations of ventilation, (applied to each individual worm,) feeding and spinning, or winding, than any other system now known.

I have now feeding several hundred thousand worms in various stages from hatching (6 oz, say 49,000 now briching) to spinning, and of course, they will continue through most of September or later. I invite attention and investigation-and will be at all times happy to exhibit and explain to respectable strangers nogestly seeking information, and to citizens, on Tuesdays and Fridays, between 8 and II, A. M. and 3 and 6, P. M. Idle curiosity must seek its sources of gratification elsewhere.

I am joint proprietor with Mr. Morris, for the sale of his right for all the District of Western New York, being west of Genesce River, and prepared to furhish frames immediately. Apply to E. Morris, Burlington, N. J., or to me at Brockport-Letters must be nost paid. Yours truly, Brockport, Monroe Co., N. Y GEO, ALLEN.

Aware of the effect of the reaction which fol lowed the speculation in Morus multicaulis plants; a few years since. I am prepared to meet with incredulity and opprabium, and therefore refer for further facts to support my position, to the operations of Mr. John Adams, at Adams' Basin, on the Eric Canal, 15 miles west from Rochester, and 5 miles east of Brock-port. Mr. Adams has mile 50 bushels cocoons this season, at an expense of less than two dollars per bushel; and is confident that if he could have obtained suitable eggs for late hatching, (my own were re-ceived from Burlington, per mail 17th inst.,) he could have materially lessened the average expense. Adams has already recled 10bs. silk, which for lustre and evenness will satisfy all who are competent to judge of na value.

Mr. Adams has used both kinds of Mulberry, and Morris' frames this searon exclusively. His experi-

4 A Report on the Herbaceous Plants of Massuch need to 22

Published agreeable to an order of the Legislature By the Commissioners of the Zoological and Botanical Survey of the State. Cambridge, 1841.

The Botanical Survey of the State of Massachusetts was assigned to two individuals. The trees and shrubs to E. B. Emerson, Esq., and the Herbaceons Plants to our esteemed fellow citizen, Rev. Chester Dawey, Professor of Chemistry, Botany, and Natural Philosophy in the Berkshire Medical Institution of Pattsfield. (Now Principal of the Collegiate Institute at Rochester, N. Y.)

In making his report, Prof. Dewey has avoided the objection commonly made against Scientific reports : namely, that they are too technical and abstruse to be useful or interesting to common readers. He has adopted a systematic and scientific arrangement, and at the same time made the descriptions popular and easy to be understood; and taken notice of facts of interest or importance to cultivators and others. So that the work is highly useful and interesting, not only to Botanists but to common readers.

The following notice of Indian Corn will serve as an example .

Zea. L. 19. 3. Indian Corn.

The Greek name of some kind of corn, from the Greek word to lice, on account of its nutriment.

Z. mays. L. Maize Cultivated, but indigenous to America. It is more abundant at the South, larger, and more productive, and its flour is whiter and more excellent. The necessity of hot weather to ripen this grain in this latitude, is well known and verified by the heat of the last summer, (1839) when the corn was, to a considerable extent, ripened at un early day in September, even in Berkshire County. It is probable that seed which would ripen earlier, or had become better adapted to the climate, was planted, and the favorable season early matured it.

There are many varieties of Indian Corn, of which Maize is the South American name; all of which may be reduced to one species. Some are far more hardy than the others. One of this kind is mentioned by Nuttall as cultivated by the western and north-ern Indians, and called "Early Mandan Corn." Some grow and ripen in England. The value of this grass is immense. Its stalks and leaves are excellent

fodder for cattle.

Indian corn was introduced into England in 1562. The species Z. Caragua, W. Cross Corn, from Valparaiso, and which pareles into a cross like form, is probably cultivated in some parts of the State.

As our corn is liable to be affected and sometimes cut off by a too early frost, it is important to obtain seed from a more northern section, which will be far more likely to ripen here. Though it may bear a smaller ear, the advantage is obvious. But, when the crop is injured by the frost, it was clearly ascertained a few years since, that more corn was ripened by cutting it up from the roots and placing it apright in small collections, than by leaving it to stand. In the latter case, the juice of the plant seems to be drawn to the root, in the former to be carried into the kernels on the car, and to bring more of them to ma-

The smut of Maize is Uredo zee, Schw., a fungus of dangerous properties. Only a little is produced in our country, and it is avoided by animals. It is said to have a deleterious effect on those who eat it.

In reply to the objection that many of the plants noticed "are nothing but weeds," the Prefessor makes the following interesting remarks:

Of the Useless Plants.

A large number of the plants which are considered useless, because they have yet no known application, are particularly described in this Report. They occopy space; they aid in covering the earth with ve-getable life. They are, indeed, weeds, and often considered as mere naisances. What is the advantage derived from them? What object is designed tage derived troit them: What copies a state by them? Can any one be in truth, uscless? tainly not, is the reply to the last question, others may receive the following answers: Cer.

1. The vegetable kingdom is the great means of purifying the atmosphere, so that it may sustain the animal langdom. Respiration of animals and various operations in nature, produce such a change as tends | the same ends by objects so diverse; the adaptation

oxygen has become combined with earbon, or the essence of charcoal, and cannot be separated by the lungs so as to support life. This separation is effected by vegetables. They take up the carbon and restore the oxygen to the atmosphere. They do this as ed by vegetables. They take up the carbon and restore the oxygen to the atmosphere. They do this as they grow in the air, and also as they grow in and under water. Provision is made for the absorption of carbonic acid by water, and thus food is supplied to plants, and life to animals. This is one of the most beautiful provisions in the economy of Divine Providence. It has sometimes been doubted whether vegetables were able completely to accomplish the object. None have maintained, however, that they did not operate largely and chiefly to this end. Even the general opinion seems to be strongly in favor of their perfectly effecting this purpose. To accomplish this object, vegetables must be spread widely over the cartb. It might not be sufficient to depend upon the results of cultivation. Besides, the vegetables must be formed for growth through all the warm season of the year, and in all the variety of soil, situation, climate, condition. Plants that are directly useful would not be more likely to effect this end in all this variety; it is doubtful, indeed, whether the asctul plants would be so well adapted to this state of things, as they generally require a more favorable combination of circumstances. To secure this end, too, it is important that a bost

of plants should have no antural attractions for animals, that they may grow without molestation, and exert their influence upon the atmosphere without interruption.

This end is secured by the foilego of forests, which is chiefly removed from all access of destructive agen-

It is a general fact that animals multiply nearly in proportion to the supply of food. If all vegetables were food for animals, the entire action of a great multitude could not be employed, as it now is, in purifying the atmosphere.

In this grand respect, all plants are performing a work of the highest utility. Unseen and eilent, they

renevate the very pabulum of life.

2. Another end of the vegetable kingdom is food for the animal. All animal life is ultimately supported from the vegetable world. But animal life abounds; tens of thousands of smaller animals, and cerecially of the insect tribe, must be dependent, as well as the larger animals and man, upon vegetables. By their forlage and seeds, the plants now considered as useless by many, may give for more support in the article of food, than is commonly imagined. We know that many small birds derive much food from seeds, as also a host of insects; and yet we may be in relative ig-norance on this subject. Even the animals of the seas must have no inconsiderable dependence upon vegetable substances for their support. A great amount of decomposed vegetables must be annually poured into the great reservoir by all the rivers.

3. Plants enrich the soil, and fit it for the production of vegetables in greater quantity. This is true of vegetables generally, when they Lye and die and deeny on their place of growth. Cultivation oftenexthausts land, because no adequate return is made for the vegetable matter removed from the fields. vegetables, often considered useless, will, by their decay perform another important service, in enriching the earth, and improving the soil. It has long been remarked, that this effect follows, because the atmosphere contains the elements of vegetable matter, and plants derive their support from the air as well as from the earth. Experiment has proved that a plant will grow and flourish without any food except that obtained from water and the atmosphere. The reason for giving up exhausted fields to the growth of any vegetables for a few years, is philosophical and conclusive. Without the great fact of vegetables enriching the earth, the reason could not exist.

4 Many important properties and applications of these plants may yet he discovered and made, so that they may be seen to be more directly useful. Great discoveries have been made in this respect within the last fifty years. It cannot be doubted that the progress of discovery is only just commenced. The beautiful colors for painting, called takes, are many of them obtained from vegetables and many more may yet be procured. Combinations too of vegetable matter may develope important powers. Without this, indeed, important uses have already been seen.

5. The beauty and variety of vegetable life are in themselves a useful end. In this way are displayed the wisdom, power, and contrivance of the Creuter, the illimitable means at his control, the effecting of

agency; the ceaseless variety amidst surprising ;

These are reasons amply adequate to produce an terest in respect to all parts of vegetables. The i ification of the atmosphere alone, and preserving it the due proportion of exygen in a state to sup life, invests the world of vegetables with new attr

On the Importance of Systematic Cultivation

"Hate not laborious work, nor the husbandry which Most High has created."—Binte.

Agriculture is the oldest art of which we have account. It was the occupation chosen by God the first man, Adam. By it, nations and commuties are kept together. It is the bond of union a unites all society. It is an art more conducive health, and more strictly united with religious moral virtue than any other. It is important, t that it should be well understood. It requires he rious work, and constant application. Inquiries the principles of agriculture are like the key of km ledge, that will open unto us an extensive for inquiry. Intelligent and petient observation disclose vast riches for the mind to delight in, and vast resources for physical happiness. As noth comes by chance, as there is a cause, a law for ev thing that occurs in the universe, the inquiring et vator of the soil may trace those laws, and ascert correctly the theory of nature in the production re-production of plants; and when he proscentes th interesting inquires, he will obtain the most pro-able results for his labor, both mentally and in the creased product of his lands. He will be a scients or natural farmer.

Why not? Let every man understand thoroug the fundamental principles of his own husiness. W n fund of knowledge may agriculturalists acquire.

Many farmers are contented to abandon their pr tice to their own taste and prejudices, without tempting to make serious investigation into the ence or principle of their business, or of trying expe ments, that they may be led to adopt improved moof practice, Such farmers, though they may succe in obtaining a living by their labor, will never vance in knowledge or wealth, or experience the ti happiness, dignity and independence, which the so well calculated to produce.

Practice, to be beneficial to the land, and profita' to the cultivator, must be in accordance with natu laws; and so far as any success attend the labors the most ignorant and careless, it is only becau these laws have been partially observed. It is a enough that a man was born and bred a farmer, to 6 able him to secure the most desirable results, for, may be, that his breeding has not been of the best der, or, if he has been brought up on a good far and his mode of culture produce him better crop keep his land in better tilth, and yield him more pi fit than his neighbor receives, yet the experience others will be highly useful, for the field of enquiry large; the knowledge obtained from good books, ! ing the record of scientific and systematic experimen conducted by farmers, as good, not to say better th himself, will be found highly serviceable to him.

When a man of superior genius applies himself the arts, experience shows us that he does it wi greater ability, force of mind, industry, taste, a with more inventions, new discoveries, and varie experiments; whereas, a common man confines his celf servilely within the common road, and to his a cient custom. Nothing opens his eyes, nothing rais him above his old habitudes, and after many years patient labor, he still continues the same, without m king any progress in the profession he follows.
One reason of the small produce of farms, and the

ennall return to the industrious farmer, is, that agrier ture is not generally regarded as an art, that requir rules, reflection and study. It has too long been re garded as a mere manual occupation. A man is cal ed a farmer, and is thought to have performed h part, when all that he does is to plough, plent an harvest, without regard to rules or system. It strange, indeed, that farmers, who, above all others ought to understand the theory of soils, and the production of plants, and to observe the phenomenon nature in these particulars, as a means not only of ad ding to their knowledge, but to their case and profit should neglect them most.

Experience is above all precepts, and makes eve: the faults we have committed conduce to our advan tage, for from doing wrong, we often learn to reform The experience, then, of the thousands of intelligen to make the atmosphere unfit for its great office. Its of means to ends; the constant supervision of his minds, who have clucidated and brought out truths, aubjects directly and indirectly bearing upon agripare, is to be regarded.

continuation of this subject, we shall endeavor to t out a good method to pursue, to enable us to foundation well, conmence with primary princiand the results must be successful.

The Working-Man's Home Pleasures

"I crown thee king of intimate delights, Fireside enjoyments, home-born happiness, An I all the conforts that the lowly roof Of undisturb'd retirement and the hours Of long uninterrupted evening know."

Cowern.

he family relation implies community of interest; tere is a common stock, so there are common sor-s and common joys. Fut a dozen of people toer in a house, and let each lead the life of a herthis would be no family, even though they might lood relations. There is more of domestic life in the steerage of a packet-ship, where like seeks ke, and little congenial groups are formed before voynge is over. The true glory of home is in the dle region of civilization: it is absent alike from lighest and the lowest. What can be more cheerthan the sullen selfishness of the Indian wigwam; e the relentless savage wraps himself up in indodignity, while the squaw and childred are spurnts unworthy of a look—unless it be the elegant fashionable household of the prince or noble? re each is independent of the other, and has his rate equipage and peculiar friends. Compare with the cottage of the poor laborer, who returns at ight to be welcomed by every human being, and y domestic animal; who tells over, or bears, all occurrences of the day, and who feels that there interest which he does not share with every one nd him.

here is more value than all believe, in the simple im, let family enjoyments be common to all. If a are few who deny this, there are still fewer who ipon it in its full extent. Something of it, as I said, there must be, to make a family at all. occupy the same house, sit around the same fire, cat at the same table. It would seem churlish. almost inhuman, to do otherwise. But I am for ring the matter much farther, and for knitting closely together those who cluster around the hearth; believing that every influence is evil h severs father from child, and brother from bre-

The morsel that is eaten alone becomes sooner

ter a bitter morsel.

embers of the same household should feel that are dependent on one another, and should be as to ask, se ready to give, assistance. Each should in the morning with the impression, that no duty e day is more urgent than to make every indial happy, with whom he is brought into contact. this contact should be sought not shunned. I sign, when members of the same household are of one another. I do not, of course, sllude here ose borrid instances of unnatural, brutal temper, re persons of the same blood, daily gathered nd the same board, refuse to sponk to one anothmalice and envy must rankle deeply where this he the case. I refer to a more common fault, ch sometimes exists where there is a degree of affection, but where the members of a family reparate pursuits and separate pleasures. The When it is done, each hurries to his or ber

liar line of employment. The mother is busy in kitchen, the father in the shop, the sons go e confined to business, but it becomes the habit of hours of loisure. The father has his evenings ad; the sons are seldem with a doors till a late r, and too often, she who most needs the cheering sences of the family circle, the mother, is left to h or darn by a dim candle, with the cradle mov-at her feet, during those hours in which her ghters are laughing or singing among their young All this is highly undestrable. ge of the industrious family may be, and ought to delightful seasons of joint satisfactions. If we st have evening parties of friends, let there be a per mingling of sexes and ages. The presence of old may to a degree moderate the mirth of the ng, but in the same proportion the aged will be vened. This parcelling and assorting society, like siled packages in a shop, is becoming too common in in my judgment injurious. The young folks at bo all together; and the children must be all toher; and if matters go on thus, we may live to see tice of greybeards and parties of sucklings. No!

wherever it is possible, let the family chain be kept | ded. - It is somewhat unfortunate that American wobright and whole. In the houses of the industrious, it is surely broken often enough by separation at work during the day.

Instead of thus living apart, which engenders selhistoric and moroseness. Hove to see the members of families flowing together, like congenial drops. There are some houses in which no one makes a contident of another; it one would learn the secret of his brother, he must go abroad for it. This is unautural, and wholly evil; incompatible with the frankness of simple love. Show me the father often walking with his sons, and these sons often with one another, not in business merely, but in sports; and I shall think I see a virtuous and happy bousehold.

There is one particular in which the principle have laid down may have a very important applien-tion. I mean the causs of mental improvement. The rule should here be, so far as possible, let the putsuit of knowledge in every family be a joint pursuit. many reasons this is desirable in every house, but it is almost indispensible in the house of the working-man. It wakes up the spirit of improvement; it saves time and expense, and it gives tenfold zest to the refreshments of leisure. To take one of the simplest instanres, I would, in two words, say to every workingman, Read aloud. If the book is borrowed, this is often the only way in which every one can get his share. If the family is very busy-and the female members of all industrious families are as much so in the evening as in the day-the reading of one will be as good as the reading of all, and while one reads, a dozen may knit or sew. There are many persons who enjoy much more and retain much better what is read to them than what they read themselves: to the reader himself, there is a great difference in favor of reading aloud, as it regards the impression on his own mind. The members of the circle may take turns, and thus each will have a chance of learning, what so few really attain, the art of correct and agreeable reading. Occasion is thus offered for questions, remarks, and general discourse; and it is almost impossible for convergation to flag, where this practice s pursued. With this method, the younger members of a family may be saved in a good degree from the perusal of frivolous and hurtful books; and, if a little foresight be used, a regular course of solid or elegant instruction might thus be constantly going forward, even in the bumblest family.

But the moral and social effects of such a practice are not less to be regarded. Evenings thus spent will never be forgetten. Their influence will be daily felt in making every member of the circle more necessary to all the rest. There will be an attractive charm in these little fireside associations which will hold the sons and daughters back from much of the wandering which is common. It will be a chean wholesome, safe enjoyment, and it will be all this, at home.

The gains of an affectionate family ought to be shared and equalized; the remark is true of all degrees and kinds of learning. Study has a tendency to drive men to solitude, and solitude begets selfishness, whim, and moroseness. There are some households in which only one person is learned; this one, however amiable, has, perhaps, never thought of sharing his acquisitions with a brother or a sister. How seldom do men communicate what they have learned to their female relations: or, as a man once said in my hearing, "Who tells nows to his wife?" And yet how easy would it be, by dropping a word here and a word there, for even a philosopher to convey the chief result of his inquiries to those whom he meets at every meal. I have been sometimes surprised to see fathers, who had made great attainments, and who, therefore, knew the value of knowledge, abstaining from all intercourse with their sons, upon the points which were nearest their own hearts. In families where the reverse of this is true, that is, where the pursuits of the house have been a joint business, it is common to see a succession of persons eminent in the same line. Thus, among linguists, the Euxtorfs; among painters the Vernets and the Peales; among musicians, the Garcias; in literature, the Edgeworths, the Taylors, and the Wirts.

There are some pleasures which, in their very nature, are social; these may be used to give a charm to the working-man's home. This is more true of nothing than music. Harmony implies a concurrence of parts, I have seen families so trained that every individual had his allotted part or instrument. Let the dividual find his anotted part or instrument. Let take thing, however, be conducted by some rule. If pro-per pains he taken with children, while they are yot young, they may all be taught to sing. Where circumstances favor it, instrumental music may be ad-

men practice almost entirely upon the more expensive instruments; and it is not every man who can or ought to give two hundred and fifty dollars for a piano-forte. In countries where the guitar is a common accompaniment, it is within the reach of the poorest. There may be lovely music, however, withont any instrument. The paget exquisite music in the world, I mean that of the pope's Sistine Chapel. is known to be such. There is great room for selection, however, both as to music and words. It is the height of folly to buy every new thing which comes neight of torty to buy every new timing which content from the music-sellers. So far na words are concern-ed, a full half of what they publish is non-cense, or worse; and I have blushed to see a young hidy turning over what she very properly called her "hose music." Those persons, therefore, deserve our thanks who from time to time are publishing in a cheap form such secular music as is proper for families. refer chiefly to such works as Kingsley's Social Choir, Mason's Odcon, and the Boston Glee Book.

But, after all, and without any reference toreligion, the best music is shered music. It is on this that the greatest masters have laid out their strength; it is this which most suits the chorus of many voices. Scen-lar pieces, as commonly published, are intended to be sung by few, or by a single voice; but sacred com-positions admit of the strength of a whole company. And it is truly delightful to drop into one of those families where the evenings are sometimes spent in this way. There is the eldest daughters at the pianoforte, accompanied by the eldest con upon the violin. Another son and two daughters lead off vocally, with the principal melody, while a neighboring youth plays the tenor, and sings the same part. The old gentleman in spectacles labors at his violincello, and two or three flutes come in modestly to complete the orchestra; while neices, nephews, cousins, friends, and, perhaps, suitors, fill up the sounding chorus with right good will. This is, indeed, something more than a more family meeting, but it is what grows out of it; and when the evening ends, and some little refreshments have gone around, the transition is not abrupt from this to the social worship, when all voices join once more in a happy evening bymn .- The Working man.

For the New Genesee Farmer.

Morn.

BY D. W. C. ROBERTS. Whistling far through ether, springs The early lark on souring wings; The sambre mists of midnight fleo With the dews off grass and tree; As Morn, all decked, and smiling lcd, Peers o'er the mountain's distant head.

Lo! her chariot's joyous train Sweeps the beavens' cerulean plain! Flowers, gemmed with diamond dew. All the crystal pavements strew; Airs of richest fragrance blow, Floods of rarest music flow; The merry song of chanticker,

And loo of kine, fall on the car: The milkmuid, singing, seeks her cow; The Farmer hastens to the plough, Thus life and joy, on every hand, Prevail when Morn comes o'er the land!

. Buckthorn Hedge.

If any gentleman wishes to see a beautiful buckthorn hedge, he may be gratified by stopping at the residence hedge, he may be gratified by stopping at the readence of the editor, in Cambridge. We are satisfied, from our own experience, that farmers might adopt this mode of fening enclessures with success. It would be a perfect protection against all animals that usually trespass on their grounds. The plant is not only useful for this purpose, but is highly ornamental. No worm or borer attacks the root or the stem; no insect preys upon the foilage. It is also of rapid growth; and in six years it may be raised from the seed to a state of maturity sufficient to afford the protection required. And the best recommendation of all is, perbape, that it will last as long as its owner or his heirs may need it. Our plants were procured six years ago, from Mt. Derby, of Salem, who it is well known, has a specimen of the hedge which surpasses any thing of the kind in Massachusetts.—Boston Centier.



RUCHTSTER, SEPTEMBER, 1811.

Grand Agricultural Pair at Sylucuse. ON THE 29TH AND 20TH OF SEPTEMBER.

The arrangements and regulations for the N. A State Fair will be found on page 132 of this paper .-(The list of premiums was published in our July number.) Judging from the preparations which are making, and the general interest which is mannes, of in the subject, we are confident that this exhibition will be a grand affair-worthy of the farmers of the E apiro State. We will not insult the good sonse of our raders by off ring any arguments to convince them that they will derive both benefit and pleasure from attending this Fair, for we believe every intelligent farmer is aware of it; and we trust every such one who can, will be there. Those who cannot or will not go are more to be pitied than blamed; for then's will be the loss. But we wish to remind our readers that if they intend to go, and expect to be banefit d thereby, it is their duty, to contribute comething to the common stock. They ought to join the Society, and pay at least their dollar, and if possible carry something for exhibition. The Exce ntive Committee have placed much reliance on the farmers of the Western Countries for aid in getting no this Fair, and if they are disappointed the reputa tion of Western New York will suffer. Those who live near the line of the consteau easily manaport an licals to Syrecuse from almost any distance; and those who cannot send animals should send comedime els.. to as to help to give interest and variety to the

Two Packet Boats and two trains of Rad Rond curs have Rochester duly for Syracuse-both plearant, cheap, and expeditions modes of travelling .--Quite a number of furmers in this vicinity have already expressed their determination to attend-we ex cut to see at least a boat lond from Mounce.
M. B. Battham, of the Rochester Scott Single.

will be seen is appointed one of the Committee of A:rangements. He will be happy to receive the names of members for the Society, and those in this region who intend to exhibit animals or implements, are requested to notify him thereof, previous to the 20th inst.

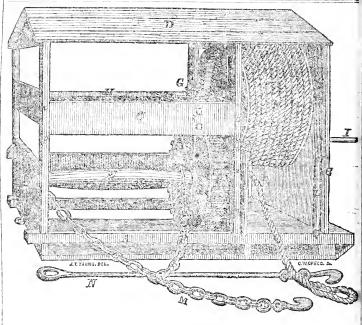
Destructive Hail Storm.

' A most destructive storm of had occured in this vicinity on Son by afternoon, Aug. 20th. It commenced itsc surse about three miles south of the city, and passed off in a North-Easterly direction, over a space about esven miles in length and one in breadth. The hol stones were very large; many of them measuring f.om i., live inches in circumference; and being recompanied with a gale of wend their force was very detructive to windows, gardens, Orchards, and crops.

The devastation commenced near the County Poor House, in which building it destreyed \$5.0 hights of glass. The fine new green hanse of Elewanger & Barry, near Mt. Hope, had almost every light of glass broken, amounting to nearly 2,000 feet; beside: which great damage was done to their choice stock of plants, and young fruit trees. (Their building was partly destroyed by fire the following day! The luse sustained by these enterprising young men is very eovere, and much to be regretted.) Passing over the ea tern part of the city, the had broke the windows of namerous Jwellings, including the Seward Semina y, Alexander's Tavern &c., and greatly injured me tine gardens and orchards which abound in that Vieinity. Several market Gardeners have lost nearly all their coops—the reward of a whole season's labor. Mr. Sicenek of Brighton, had about \$1,000 worth of

loodman, Heyward, Culver, Lockwood and others ave also suffered great loss of theore fruit. Mr. C Crosman has lost a large portion of his crops of faiden ree la &c It is said that hads, and even serse were killed by the hail; and some cattle in at pen field, which were shoughtered in the evening. were covered with the mades of bruises, when their adea were taken off. Watermelons were brought in I may never be again.

to town the day following, some cut entirely open with the harl, and others with holes in them, showng where the stanes had entered. The clore of our and potatoes were mostly too far advanced to be destroyed, although Inte pieces are much injuredthe leaves being literally cut into shred . Such a storm was never known before in this region, and we hope



STUMP PULLING MACHINE.

Having been repeatedly requested to publish a description of a Machine for extracting Strong from land we have, at considerable expense obtained a description and engraving of the most efficient one for the purpose within our knowledge. The above representation, admirably drawn and engraved by two young artist of this city, will convey so accurate an idea of the machino that but little explanation is necessary.

A, the salls on which the frame work is erected; ter, 150 feet long, to the end of which the power is the side ones 73, and the cross ones 4 feet long, norde of 5 inch square timber. I a ler these sills are three more cross sills under which planks are fixed with the front end turned up like the front of a sled or stone bont, to facilitate the removal of the macine by dragging over the ground. ELB, the upright posts, three on each side 4 feet high, 3 by 1 inch stuff, the middle one standing 2 feet from the front and 4 feet from the rear of the machine. C, gitths 12 inches wide, Uh thick, framed into the posts. Several short girths of this description are framed across the machine and contain iron bexes for the shafts to turn in. D, the roof or cover, with I foot slope to protect the machine from wet. E, a large cast from shaft 4 feet long, 51 inches in diameter at the ends and swelled to 64 in the middle, on one end of which is a strong east from spur wheel (F) 31 feet in diameter, with 54 cogs. G, a pinion wheel 71 inches in diameter, with 9 cogs to mesh into the spur wheel, and placed on a wrought iron shaft (II) passing through the whole length of the machine, 21 inches square near the pinion wheel, but tapering towards each end. I, the crank, outside, in front of the machine, on the end of the wrought iron shaft, by which to wind up the slack of the tope, and at the same time unwind the chain. K, a wooden drum, 31 feet in diameter, and 13 wide, attached to the shaft by iron arms,

applied. LL, two rollers to prevent the friction o the rope against the aides of the machine.

The chain, M, is attached to each end of the iron shaft, by a strong bolt and screw, and extends shou I fact double, where it converges together and i united by a triangular link and then extends single 4 feet further and terminates with a hook and swive as shown in the engraving. The chain must be ren strong, made of the best of iron, the single part of 1; and the double 13 inch wire, the links small and shor like ship cable. Another strong chain 10 or 12 fee long, with a book one end and a ring the other, is placed around the top of the stump intended to be ex tracted, and this is connected with the chain attached to the machine by a number of connecting rods (N) made of 13 inch iron, 10 feet long, with a strong hook one end and an eye the other, as represented above. There should be a sufficient number of these rods to extend 100 feet or more. These rods coel less, and are much easier handled than heavy chains.

Now go on the other side of the machine, and on the upright posts, level with the large shaft you see two strong rings attached to heavy plates of iron reaching to and forming boxes around the ends of the shaft. To these range two strong chains are attached by which the machine is anchored to a stump or some other im noveb e object. It will readily be seen that prouds and applies destroyed. Messis. Pitkin, around which winds a strong rope 12 inch in diamethother, and consequently it must be firmly secured prevent its being displaced or turned over. By ning the chara around the top of the stump to be acted, and anchoring the machine to the bottom re one on the other side, the former will give way although it may be larger than the latter. The est plan is, to commence operating near the outside the lot, and after fastening the machine to a firm up, extract all within reach of the chains, leaving one good one within reach to which it may next astened in order to extract the former one. If it plesized to extract a stump where there is no other to which to fasten the machine, a hole must be in the ground and a strong post set in it, well el to the top on the side towards the machine; pe the chain around it close to the ground, and if stump is not very strongly rooted it will come out about much trouble.

The manner in which the machine operates must r appear obvious to all. A yoke of oxen draw on rope; this turns the drum and the small wheel, that turns the large whilel and shaft so as to wind the chain very slowly but with immense nower. single yoke of oxen drawing on the rope gives a er equal to thirty-fire or forty woke on the chainhat something must inevitably give way. It will dily be seen that the machine must be well made. the chain very strong, especially if large and fully rooted stumps are to be pulled.

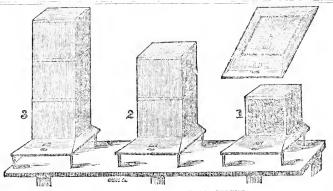
his machine was a good deal used in this State 10 12 years ago, but we have not seen or heard ch of it of late. It was called "Pratt's Patent imp Extractor." A Mr. Drake, we believe, was prietor of the right in this State; but whether the ent or the patentee, is alive now, we have not been e to ascertain. We will endeavor to give informan on this point next month. One of the machines be seen on the farm of Mr. Whitney near this , from which the shove drawing was taken. If person within a few miles of this place desires to it, it can doubtless be bired on reasonable terms. It weighs about 1500 pounds and is hong on wagwheels as as to be conveniently transported.

in an old paper handed us by Mr. Whitney, an gincer on the Chemung Canal certifies that one of se machines extracted 63 stumps between 2 o'clock I sun lown, and on another section 230 were exeted in one day. Another certificate, signed by the necessary, states that they saw this machine with e yoke of oxen, extract 17 white pine stumps of od size in 52 minutes, without any of the roots beg previously cut; and remove a barn 22 feet square utaining about 2 tons of hay and grain, with only s power of five men applied to the rope. Another tes that a large green pins tree, measuring 12 feet circumference and 150 feet in height was drawn wn by this muchine, the chain being a splied 22 feet in the ground. The depth of soil broken up by the ots of the ties was between five and six feet, and the rface 23 by 35 feet.

Autumnal Planting.

A friend has requested us to caution our readers minst planting out trees in the fall of the year in ose clays. When the hole is dug, it holds water ie a tab-the tree is put in and there amongst loose ath it has to soak till spring. Hardy indeed, must the one that can bear it. In our last volume, page 8, we mentioned a remerkable case of this kim', ith the complete success that followed under- lrau ig; and we can now state another: Last fall, the resent Corresponding Secretary of the Cayuga Coun Agricultural Society planted shade trees in front f his new mansion in Auburn, part in a sondy loam ad part in a heavy clay. All the latter died, and all ac former lived.

A trench sufficiently deep may be made with the plough, by turning out the earth from the same line several times in succession. When the bottom of the furrow is made smooth, straw, corn-stalks, potato tops, chips, but h or old tails, may be laid in, the trees planted, and the earth returned to its place. With a proper document, all the southings of the ground will pass off, and the trees will be fully established in the soil before those substances decay; but even then, the e wal be a seam through which the water



THE SUBTENDED BEE-HIVE.

We some time since acknowledged the receipt of a little work entitled, "Bee Breeding in the West," by Thomas Affleck, Editor of the Westera Farmer & Gardener; and having given it a careful examination we find it so interesting and instructive that we make some extracts from it. The main points at which the auther aims, are, 1st, Preventing the depredations of the moth or worm, and, 2d, Obtaining the surplus honey without destroying the bees. These advantages be contends can lest be secured by the use of the Subtended Bee-Hire; and his arguments are the more convincing from the circumstance that his object is not to favor any patent right, or maker of bec-hives; for the invention be describes is not patented, and he gives directions by which may common joiner can construct the hives. He points out several objections to the different "improved hives" now in use; the principal one of which is, that they compel the bees to work upwards, while their natural habits always lead them to work downwards. This point he requires should be kept constantly in mind, and contends that no apiarian can long prove successful who practically disregards it: as by repeatedly robbing the bees of the new comb and compelling them to breed succesive swarms in the old, the pregeny will inevitably deteriorate in size. We should like to hear the opinions of those who have long used the Vermont and similar hives, on this subject. But to the work:-

woods, it pitches upon a hollow tree or a crevice in the chilis, and commences at the extreme top, there orning its first comb. As the cells are formed, the Queen Mother deposits her cags in them, regularly using the new ones for this purpose, and that only once; she rarely places an egg in the samo cell a second time, so long as there is space for the formation of new ones. So soon as the young bee leaves the cell, the workers clean it out, removing everything but the nymphal robe, or white covering within which the larvæ underwest its transformation, which is pressed down to the bottom and coverd over with a thin coat of wax. This, of course, diminished the size of the ceil, which is then used for the reception of honey; while the succession of eggs, as before remarked, the Queen's in-tinct teaches her to deposite in the newly formed, full sized cells. So long as their supply of Good is abundant, and sufficient space is allowed them below, they go on increasing; but to what extent has not yet been determined. It seems probable that there must be a limit to the procreative powers of the Queen; and es no two queens can exist, in a state of freedom, in the same hive, all plans which are intended to prevent their following their natural mode of increase-by swniming-must end in failure.

They thus go on, as is their habit both in a wild and domesticated state, working always downward, leaving their winter's store of honey at the top of the hive, and congregating with their Queen, round those cells which contain their eggs and larvæ.

It was his observation of this fact, that such was their invariable practice, that led the French writer, to whom I can indebted for the first idea of the subtended hive, and who originated the two storied hive, to adopt the plan of adding his boxes below, and allowing the bees to follow their natural course. In his treatise he, remarks, that " it is evident, if we intend to rob bees, thus lodged in a hollow tree or cleft tend to roo nees, thus longed in a monow nee of each times away in inchessed the of their nature and heaf a rock, without injuring them, we must attack the of bees—nequire a knowledge of their nature and heaf or bees—nequire a knowledge judiciously, in the rore at the top. There the combs are easily removed, and apply that knowledge judiciously, in the range means the bees have left them, and are bustly management of them—sowing small patches of each

When the bee is left to itself to seek a home in the | engaged in the lower part of the bollow or erevice, and do not even perceive the theft; ner do they suf-fer by being deprived of these upper combs, which have become superfluous, by the new stock of provi sions, which they go on, instructively accomulating, in their uninterrupted descending operations. Here the whole secret of nature is laid open-how to rob them without doing them the least injury!"

There who have adopted the plan of adding an empty box on the top of the permanent live, think they have made the same discovery, and that they are acting up to it. But they overlook, in their method several most important facts-that it compels the bees to breed, year after year, in the same box: and of course they must use the same cells for the repeated which thus become continually diminished hatchings. in size, by the addition of two or three nymphal robes in a season; until the difference between the bees from such a hive and from a thriving young one, is apparent to the most carcless observer. Then, when so managed, they breed but little; the swarms occasionally thrown off are weak and inefficient, and rare ly exist through the first winter unassisted.

By a careful comparison of the young bees from an old have, the cells in which have become much diminished in size, with those from fresh hive, the difference in their size and thrifty appearance will be at once perceived. New honey, or that which has been made the same season, though both whiter and fairer to the eye, is neither so fine flavored nor so wholesome as that which has undergone, as it were, a tempering in the hive. In a good, thrifty hive, there is just that degree of heat kept up, that is necessary to prevent the honey becoming candied in the cells-if once allowed to get into that state, age does not improve nor affect.

If the farmers of the west will think of these things, and bestow a few of the many hours which they now throw away in idleness, on the care of a few stands pasturage—they would im, rove their condition as men, add greatly to their own wealth, and save annually to the country aome millions of dollars that are

now lost. * * *

The certain destruction occasioned by the moth, if it effects a fodgement, is the principal and most serious bar to successful bee-breeding in this region at

the present day.

umerous plans have been amblished for their pre vention, some of which were good-others worthless. The only ones that have been successful, are those that have had for their object the entire exclusion of the moth; and the keeping each hive in a strong, healthy condition, in a box or hive proportioned to their strength, so that they were enabled to defend themselves from all invaders.

In adopting a plan for the keeping and management of bees, several important points must be considered. It must combine simplicity with convenience; and cheapness with durability. It must allow of the inmates proceeding in their own natural way; of the proprietor removing honey when it can be spared, without disturbing or injuring the becs. It must ed, without distinting or injuring the next. It must afford them; during wither, a warm and dry laboration; and in summer a cool and airy one. Its entrances must be so arranged, as to allow the bees a free passage, and yet causile them to defend themselves from channes. It must afford, with a reasonable distance of form and the transfer and the second and the second are set of form and the second and the second are set of form and the second and the second are set of form and the second are set of the second and t able degree of care, complete protection against tue moth; and facilities for putting two or more weak swarms together, where they come off late in the senson. And it ought to give the proprietor control over his bees, as perfect as the nature of the insect will admit of

All this and more ean be attained by the use of the

SUBTEXACH MIVE.

It is a simple and economical plan; of easy management; and one within the means of any farmer who can handle a saw, a plane and a hammer.

The boxes of which it is composed, are formed of good, well-seasoned pine plank—if possible, free from knots and wind shakes. It ought to be at least one inch thick. The boxes may be ten, eleven or twelve inches square, in the clear. Let the plank be dress. ed on each side, and jointed on the edges, so as to he close, without being tongued and growed. Be are nailing them together at the sides, lay a thin scrip of thick white lead paint on the edge to be nailed, which will render it impervious to the ovipositor of the moth. In the top cut two semicircular holes at the front, and two at the back, of one arch an a half in diameter—
the straight side being in a line with the back and
front of the box, so that the bees may have a straight rond in their way from one story to the other. Put the top on without any layer of paint, using cight stout serew nois, that it my be taken off to faciliate the removal of the honey. Give the outside of the box two coats of white lead point, all except the top: and let it be done so long before it is necessary to use it, as that the smell may be discipated, as it is very offens ve to the bees. Pour a little malte libers-wax, while pretty hot, over the inside of the top, which will enable the bees to attach their comb much more firmly. Let three-quarters of an inch of the thickness of the lower edges of the box in the inside he beyelled off, sons to leave but about one-fourth of an inch of surface to rest upon the stand-this will afford less alieiter for the eggs of the moth.

We will suppose the boxes, thus made, to be a cube of twelve inches inside. In that case, the tunnel stand will be made thus. Take a piece of two inch plank, free from knots and shakes—what carpenter's term clear staff; length 26, and brendth 18 inches. Ten in thes from one end, and two from the other and from each side, is marked a square of fourteen inches. From the outside of this square, the board is dressed off, with an even alope, until its thickness at the front edge is reduced to half an inch, and at the other three edges to about an inch. The square is then reduced to twelve inches, in the centre of which is bored an inch nuger hole; to this hele, the inner aquare is also gradually sloped to the depth of an inch; thus securing the bees from any possibility of wet lodging about their hive, and alfording their free ventiliation. There will then be a level, smooth stip of one inch in width, surrounding the square of 12 inches, on which to set the lox or hive. Two Inches from the front edge of the stand, commence cutting a channel two inches in width, and of such a depth as to carry it out, on an even slope, half way between the inner edge of the hive, and the ventillating hole in the centre. Over this, fit in a strip of wood as

plants as migniocite and white clover, to yield them in width by a quarter of an inch in depth. Under the centre bole, and over the outlet of the tunnel, hang small wire grates, the one to prevent the entrance of other insects; and the other to be thrown back to pernut the exit of the bees, or fastened down to keep them at home in clear, sun-shining days in winter. For feet to the stand, use four or five inch serewnails, screwed in, from below, far enough to be firm The lower side ought also to be planed smooth; and the whose should have two coats of white point some time before it is wanted.

Rotation of Crops.

This is a subject of great interest to the Farmer: And yet few points in Agriculture are less understood. The importance of the systematic rotation in crops is nowhere set forth in briefer or clearer terms, than in one of the Agricultural lectures of Dr. Daubency, Professor of Rural Economy in the University of Oxford. (By the bye, why are our American Colleges so destitute of instruction in that branch of knowledge?) Annexed is an extract from that discourse: an extract which, if properly appreciated by our farming renders, will alone be worth more than the cost of the New Genesce Farmer for an ordinary lifetime .- Retal it, my frond-reflect on it-and guide your operations by the important principles which it

"Those plants ought to succeed each other which contain different chemical ingredients," says the intelligent Professor, "so that the quantities of each which the soil at any given time contains may be absorbed in an equal ratio. Thus a productive стор of corn could not be obtained without the phosplates of time and magnesia, which are proceed in the grain, nor without the silicate of potaes, which gives stability to the stalks. It would be injudicious iberefore, to sow any plant that required much of any of the above ingreshents, immediately after having diminished the amount of them present in the soil by a crop of wheat or of any other kind of corn. But on the other hand, begunnious plants, such as beans, are well calculated to succeed to crops of corn, because they contain no free alkelis, and less than one per cent. of the phosphates. They thrive, therefore, ev-en where these ingredients have been withdrawn, and during their growth afford time for the ground to btam a leesh supply of them by a forther dis megracon of the subjected rock. For the same reason, wheat and tobacco tony some times be reared in succession in a soil rich in potass, because the latter plant requires none of those phosphoric salts which are present in wheat. In order, however, to proceed upon certain data, it wo ld be requisite that an analys a of the plants most useful to man should be necombulled in the different stages of their growth, a lubor which has haberto been only partially endertaken. It is a curious fact that the same plant diff is in constitution when grown in different chanates. Thus, in he beet root, nitre takes the place of sugar when this dant is cultivated in the warnier parts of France .-The explanation of this difference is probably as fol-Beet root contains, as an essential agredient, not only excelmine matter but also nitrogen; and it is probable that the two are mutually so connected together in the vegetable ti sae that the one cannot exist without the other. The nitrogen being derived from the decomposition of ammonia, must be effected by any cause which dominishes the supply of the latter; and in proportion as this ingre-heat is wanting, the secretion of sugar will likewise fall off. Now is has been shown by Liebig that the formation of original send is owing to the decomposition of autmonia; and it is conceived by him that the hast products of the decomposition of animal to hes present themselves in the form of ammonia in cold chimates, and in that of nutric said in warm ones. Hence in proportion to the amount of nutric said formed, and of nutric absorbed by the plant, that of the netrogen, and consequent ly that of the saccharine matter present in it may be diminished.

By order of Government, the roads in Prassia are lined on each side with frut trees. Noticing that some of them had a wisp of straw attached to them, I enquired of the coachman what it meant. He replied the inner edge of the hive, and the ventilating hole that was minimized as a manufacture of the hive. Over this, it in a strip of wood as not to take fruit from those trees without special perneally as possible, dressing it down even with the mission. "I fear," said I, "that such a notice in my middle he as invitant to attack them." that the straw was intended as a notice to the public slope of the stand, so as to leave a tunnel two inches country, w u'd but be an invitation to attack them.

"Habens sie keins scholen." (Have you no schools' was his significant rejoinder .- Prof. Stone.

> From the New England Farmer. Early Suppers.

By late suppers I do not mean a fourth meal, such as is often taken in fashionable life, for I have seldom known our plain agricultural families addicted to this practice. They leave it chiefly to the inhabitants of large towns and cities, to go to the closet at 9 or 16 o'clock in the evening, when they ought to go to bed and take a meal of cold ham or tongue, and bread and butter, or something else quite as difficult of dige-tion.

But by late suppers among our farmers, I mean the usual third meal, deferred to an unicasonable hourto 7 or 8 o'clock, or even later. I have known many n farmer who made it his constant practice at n' seasons, to work as long as he could see, and not to take supper till his work was finished; consequently his hour of supper, during a part of the season, would be from ? to 9 o'clock-never earlier than 8, and of ten when the fields were but a little distance from the house, as late as nine.

The best and most thriving farmers I have ever known, however, take supper at precisely 6 o'clock, even in haying and harvesting. I know that a thou-sand objections may be brought to such early hour, especially in the month of June, July and August; but I know too, they can be met.

Some years since, having finished our haying, (I resided then in New Coventry, Conn.,) I took my scythe and went into the employ, for a short time, of David H. Warner, in Litchfield county, whose grass was rather later than ours, and consequently was not yet all cut. At that time I had not known of any other way than to work till dark and cat supper when we could.

But Mr. Warner had supper uniformly, at six o'clock. Whatever the weather might be, and howed us nil, nt six, to suspend work and "come to tea," as it was called. This consisted of a light repast; wholesome and perhaps rather too solid, or I might say heavy, but not luxurious. When this meal was finished, which occupied, including a little conversation, about half an hoor, we were permitted to go to work again if we choose. In general, however, all we did was to grind our scythes and get ready for the

next day.

I do not say that when, by some unforseen occur-rence—an needent or a shower—a very pressing necersity seemed to exist of deferring supper bulf an hour to get in a load of bay or oats, it was never done; for I believe it was so; though I saw nothing of the kind while I was there. It takes no longer to grind scythes at evening than it does in the morning; and Mr. W.'s workmen were rendy to go to mowing in the morning, in the cool of the dny, and while the grass cuts ensity, instend of being compelled to spend a part of the best of the morning in making preparations which ought to have been made the night fore. And having began betimes and got shead of their day's work, they were not obliged to mow eo late in the forencon in the great hent. As soon as the ground and swath were dry enough to spread, their mowing was finished for the day, and they were ready to attend to it. And thus by being an hour or two earlier in the morning, and by keeping before their work, they found it as easy to get through at siz, as others at eight.

But there are other and numerous advantages which nre enjoyed by those who take supper at six.

They are not quite so npt ss others are to overeat. Our farmers -- especially those who do not take any luncheon in the afternoon-and there are some who do not-and who do not get rendy to sit down to supper till S or 9 o'clock, are very apt to est too much. Some, it is true, lose their appetite, instead of having it increased, but these cases are not very numerous, and are diminished somewhat by the custom of taking something to give an appetite. My old friend, Levi Atkins, used to defend the practice of taking a little spirit before supper, to give an appetite-but this wa before the temperance reform commenced.
2. They do not so often go to bed with a lead on

their stomacha. He who eats at six, besides eating eas in quantity, is not so upt to go to bed till nine. by which hour the digestion is partly through. Wherens he who takes his supper at eight or nine, and goes immediately to bed, is apt to have a mass of food in his stommeh either undigested or but balf digested, for a considerable time; and is not to tors in bed and dream a good deal, or else sleep too soundly.

3. And what is a natural consequence of this overleading the stomach, he who sups late, gets up with a ad tasto in the month, bad icolings in the head and omach, if not with diseased eyes; out of which feeligs, or rather upon them, comes in no small degree e habit of taking a morning dram. How much learer the head is, and how much better the feelings re, generally, after taking an early, light supper at lock, they best know who have tried it,

4. There is one more advantage which I must not ass over, which is worthy of consideration, and thich is highly in favor of early suppers. It is, that by iking our repast at six o'clock, we may have the soiety of the female portion of the family, They will of went for their supper till eight or nine o'clock, or least many will not, and none of them ought. But ney will wait till six. Need I say that such a cuswould be as favorable to good manners as it could be to true enjoyment? Bosides, we are apt to eprosed them now-a-days, with retaining their tes, o excite their nerves—while they demand of us to urrender our cider: but how do we know that they ould not, for the sake of our society at six, dispense ith the tea? Is not the experiment worth trying I have not exhausted the subject. Mr. Editor, but ny sheet is full, and I may have exhausted the pa-ence of your readers. Yours, &c. Dedham, July 12, 18 H. W. A. ALCOTT.

For the New Geneses Farmer. Corn Laws.

I am a plain man, and hate controversy,-but one two things of "S. W." I think I ought to object , as I cannot, being a reader of the Farmer, silently m't them. I was indeed greatly surprised to find a tizen of Western New York, the advocate of a here-

itary aristocracy; and attributing the payment of the rest balk of the English taxes, and even the support "THE PROPER" to them. The "landed interest" it remembered, is nothing else than the interest of number of petty monarchs, whose ancestors obtaintheir possessions by conquest or force, and from hom they have descended to the present occupants. hey "pay the taxes?" We might as well say the ritish Government itself pays the taxes which it exts from the people. They "feed the people?"

of the people, by whose toil and sweat those doains are rendered productive, support the aristocracy; d without the labor of the people, they would starve the midst of their own plantations. It is a narrow policy, which must fade away before

e light of civilization and Christianity, for nations exclude one another's products from their people, cause they can be furnished cheaper from other sours. Let the immense wheat country of the northwest row its supplies into England, and she in return ur her manufactured articles through our country; 10 would be the worse off among the whole, because e necessaries of life were cheaper there, and the miorts cheaper here? But I must not enlarge, but speatfally beg S. W. to read through and attentively savitt's wheat memorial, published in the Farmer o or three menths ago; only observing in concluon, that his objection to the repeal of the British rn laws, on the ground of the little foreign wheat er carried there is very much such a one as this:-Why make a canal across the Isthmus of Darien? o ship has ever, since the beginning of the world. en across there-why then make a canal where ere never will be any navigation?"

A READER.

A Public Benefactor. Among the enlightened friends of Agricultural aprovement, the name of Colman of Massachusetts emblazoned with the living lustre of a Public Benector. His services to Massachusetts-a State which mored herself by making him her Agricultural ommissioner-are invaluable; not merely for prooting agriculture, but for rendering farmers con-CATED WITH, and PROUD OF, THEIR EMPLOYMENT. he could be spared from Massachusetts, we doubt at that thousands would rejoice to see him appointed Commissioner for making an agricultural survey of

follow the Geological Survey that has proved so advantageous to the interests and credit of the state.

The Product of Labor the only Real Wealth.

Agriculture is the foundation of wealth. The sea renders her tribute; but the earth presents to skill and industry richer and infinitely varied contributions Money is not wealth. It is only the representative of wealth Money is coveted because it can command labor; but of what use would it be, if labor would not be commanded. What would it avail to possess all the riches of Potosi, if thereby we could not acquire the products of agriculture? What are manufactuthe products of agriculture? What freights rers concerned in but these products? the barks of commerce in their liquid flight, threading every channel and whitening every post, but the products of agriculture? Whence does the government derive its revenues but from the fruits of agriculture? What constitutes the wealth of the country but her cotton, hemp, sugar, rice, tobacco, wool, wheat, beef and pork? Agriculture only can be considered as the creator of wealth. The merchant, the manufacturer, the sailor, the various artizans and trades men perform their part in making the products of agriculture more valuable; in transporting them so that the advantages of clime are equalized, and in putting them in a condition for use; but agriculture alone produces. Like the lender of Israel, she strikes the rock, the waters flow, and a famished people are satisfied. She applies, she feeds, she quikens all. Agriculture is the commanding interest of the country, which with no singular interest of a secular nature combined, can be brought into competition.

HENRY COLMAN.

Michigan.

This noble State, though sadly cursed with wildcat banking, is steadily improving in her Agricultural character. Readers in various quarters may be interested by the following letter-which embodies many interesting matters respecting the Agricultural wealth of the Peninsula State.

MARSHALL, JULY 8, 1841.

"J. D. Bemis, Esq. -" Dear Str -- I see much in the papers relating to the wheat, and other crops, in Western New York: from all which, there can be no doubt, they have suffered greatly from drought. wheat, in this region, undoubtedly, was seriously injured, in the early part of the season, from the same cause, and somewhat, also, by the fly; but I am hoppy to say that timely showers in the carly days o June, eperated so effectually, that although there will not be a great crop, there will be a fair supply of wheat. The miscrable low price of their, for the two last years, added to the great expense for transportation, had discouraged the farmers from extending their fields, and indeed from sowing all which were broken up; so that the acres in cultivation are scarce equal to some former years. Yet, after all deductions are made, there will be a much larger crop than has heretofore been hervested. Thave no doubt that Michigan will have from 2,000,040 to 2,500,000 bashels. at least, of surplus for market. With a steady demend, at 75 cents per hushel, the present population would at once farnish 5,000,000 bushels for export, with ease, for it is cultivated with far less labor than in New York.

The other crops about here, without exception, present the most animating and delightful aspect, Indian corn surpasses any thing I have ever seen, in vigor, richness and luxuriance. But it will all be needed, for the "swinish multitude" has waxed amazingly prolific. There are, I think, over 600,000 of these animals now in the State; and if so, the surplus of pork the coming fall and winter, will come up to near or quite 300,000 barrels.

The people of this State-(although lying under a curse, resulting, in a great measure, from early legislative mismanagement, in unwisely, if not dishonestly, incurring and squandering a \$5,000,000 foan in first breeding a litter of wild cat banks, and then commencing a senseless hostility to all banks)-are enterprising, industrious and economical, in an eminent degree; and with their rigid habits of privation and self-denial, the surplus products of the present year, at fair prices, will pry up all individual foreign debt, and leave a very handsome balance of capital, for useful and profitable investment at home.

But the most profitable staple article for exportation by the Wol-verines, will, hereafter, be wool. Without deducting at all from the present produce of the State, 5,000,000 sheep may easily be kept. It is only e State of New York-an enterprize which should necessary for a farmer to purchase 500 or 600 acres of

these oak openings, which he may get for \$5 per acre, enclose the whole, cultisate 100 acres, or enough to enstain his stock through our generally short and mild winters, and he is prepared, off hand, to keep 2:000 head of sheep. There is no doubt that all cattle, and head of sheep. sheep especially, thrive better upon the native grasses and chrabs, found in the openings of this State, than they do upon the best cultivated grasses of New York. I have no doubt it is the best State for sheep-husbandry in the Union; and the great ease and cheapness with which wool can be marketed, at Boston or New York, renders it admirably fitted for the staple of our interior country. Our farmers are becoming convinced of this, for every one is trying to commence or increase his flock. The numbers now coming in from Ohio and other States, are numerice, and I have no doubt the sheep now in the State doubles the last year's return. Money to buy them, alone is wanting, and that number would be ten-fold in twelve months to come.

I know that a serious prejudice prevails abroad, against this State, on account of the onerous taxes imposed upon real estate. Four fifths of these taxes, however, have been imposed by school and highway districts. In many cases they have been justly con-demned as unequal and oppressive. Don't less a more correct public sentiment is pervading the State; for the most intelligent men have become convinced that the prosperity of a new country is never promoted by the imposition of unnecessary taxes, so exorbitant as to drive its own citizens away, and arrect all immigration from abroad. Such appears to have been the consequence of the high tuxation in this State. as I said, a more correct feeling exists. Indeed the taxes are now much lower than in former years.

I ought to add, that for near nine months in which I have resided here, I never knew a healthier landthe green hills of New England, thus far, do not surpass it.

With great respect, yours, HENRY W. TAYLOR."

Evaporation.

A correspondent inquires "if water or maple sap, when heated to a given degree, evaporates according to bulk, or surface,"

Water (of which maple sap almost whelly censists) when heated to 212 ° Fah. evaporates rapidly, and this heat cannot be exceeded (unless it is confined) so long as it remains in the vessel in a liquid state. The evaporation only becomes more rapid, as the fire is increased. And the rapidity of evaporation depends who!ly on the quantity of heat which passed from the fire to the boiling water. Of course the larger the surface, the greater will be the quantity of heat passing, the intensity of the fire being the same. If a kettle has one square foot of surface exposed to the fire, the evaporation will be the same whether one foot or ten in surface. of the water, he exposed to the air above. And the evaporation will be the same, whether the vessel be high, and contain a barrel in measure, or flat and contain only a gallon. Consequently it depends on the extent of surface exposed to the fire, the intensity of the heat of that fire being the

Domestic Economy.

MORE LIGHT! - Lamps may be easily arranged for burning Lard, instead of oil. Many of them are now in use in Rochester. Ordinary lamps may be fixed for this purpose-with a thick wire so arranged as to be kept hot by the flame, and thus secure the lard in a fluid state. There is but little smoke and the light is pleasant. It is certainly far preferable to making candles of tallow; and will be a great convenience to thrifty housewives, on the score of neatness as well as economy. This mode of burning lard was devised by Mr. B. W. Oskley, of Tecumsch, Michigan. Oil is extracted from corn, by distillation, to some extent, of the west. The Niles (Michigan) Republican says.

"We have been burning in a common lamp, for the last few weeks, oil extracted from corn, a quantity of which we received from Mr. R. A. Ward, of Berrica, who manufactures the article. It gives a clear, heartiful light, and burns longer than the common v. ha'e oil, and emits no offensive smell. On the whole we should think it better and cheaper than any other kind of oil for lemps."

For the New General Larmer. Crops of 1811 in East Bloomisid.

MESSAS. Entrops-It is getting so fashionable to write of the crops and harvest, that we can scarcely tuke up a paper, either political, religious or naticaltural, but we find a column headed the "Crops;" and such are the contradictory and extravegant statements given, that it is coming to be almost as necessary to inquire whether the writer be not a consumer, interested in representing the crops as superabundnat in order to lower the price, or a producer wishing a round price for his surplus commoduics-as in reading a political article to enquire to which party the writer belongs. As the public feeling has become somewhat calmed, now that the harvest is past, and the true state of the case is becoming more and more apparent, I may be less liable to the imputation of an interested writer, if I continue the record of the crops in this town. In the Old Genesce Farmer, the record is continued from 1834 up to last year. Last year our crops were so uniformly good, and so much was said of the crops overywhere, that it seemed irksome to repeat the story.

Wheat, our staple crop, is decidedly a failure .-Whatever may be said of other sections of the countrp, wheat has not been so universally poor for many years. The cause I believe to be the same throughout the country. Our farmers were very forward with their sowing last fall -much of it being done in August, under the impression that early sowed wheat is much the surest. The full growth was good, although a few pieces of very early sowed showed the ravages of insects. The winter was as favorable as usual. The latter part of April and the month of May were trying months. Freezing nights and thawing days with dry and cold winds, continued for so long n time as we had them, last spring, would seem sufficient to destroy every vestige of winter grain, and almost preclude the possibility of sewing any spring creps.

As we are hable to such seasons, and have our wheat more or less injured every spring, it becomes a matter of interesting inquiry in what manner we can hest guard against them. Protection, whether by hills, forests, orchards, or even fonces, is the most atficient guarantee against cold chilly winds, which dry up the life of the wheat and prevent that thrown out by frosts from taking root again. Early sowing on land under thorough cultivation, thereby giving the roots firm hold of the soil, is next in order to protection, and more under the control of the farmer .-Draining all surface water is of the utmost import ance. A regular rotation of crops, inasmuch as the land is thereby supplied with the requisite nourishment for the crop, is of more consequence than usually imagined. The skinning system of cropping with wheat every other year, so very generally pursued among us, is the least calculated to endure such seasons, and has in the present crop received a most fearfu' rebuke.

Of the kinds of wheat, little discrimination can be made in such unproputious seasons. The quality is good, and the yield will be greater in proportion to the atraw. There has! ee a much complaint of m sects in many fields that were injured by the spring-but I have seen no appearance of the wheat worm which could be found so plentiful three or four years since. Smut and rust we have generally escaped this season-but stein crant hes made most rapid advances upan us. His darkened path may be traced through the length and breadth of the town, and some fields he has this year appropriated exclusively to himself.

Beside this prince of thieves, we have e new enemy to contend with, which, from its rapid strides.

grass. If this is the worst weed the English farmer has to contend with, it must be still worse for us, as we have no cheap laborers to spare for hand-weeding.

Spring wheat promises to be a fair crop. The seae in was was so backward that but little was sown

Barley was also unfortunate in its seeding time ,-What little I have seen promises an ordinary yield.

Cats. - It used to be an old proverb, sow flax in the fire and onts in the mire. If therefore the proverb is good for any thing, we ought to have good oats as the ground was moist enough surely. It is generally supposed that sessons like the present are not good for oats, yet the crop is with us more than ordinarily we get. During the month of June, they looked as if going to head out before half grown. The straw is indeed short, but the heads are of good length and well filled. What is remarkable they all stood up well, there scarcely having been a severe rain storm

Corn .- On some accounts this has been a good season for corn, and some fields of early planted will come off very fine. In general the drought has injured the growth and will prevent its being well filled .-The prospect is that it will be early ripe. The stolks being now much skrivelled and dried up. amount trused will I think be less than usual.

since they were sown.

Grass .- This is our poorest crop. Less has been cut and less pasture for our stock than we have had for many years. The prospect is now that full feeds will be source and we shall have to feed our cattle from our barns unless we have rains soon.

Potatoes and all root crops have suffered severely by the drought, and if we get any it will be from early planting. Rohans I think will lose in reputation, and if the order is not reversed, one peck from twenty bushels planting, instead of twenty and thirty bushels from a beck of seed, it will be because they are better than they look to be.

Euchu'teat.- I have seen none growing.

Pens are generally said to be good, although I think they will not be found to yield well.

Wool .- The quantity of wool grown in town is constantly increasing, and is second to no crop except wheat. It has this year been ready sales at fair

Truits of all kinds are in more than usual abundsnee; and although we are short in a few important crops we have abundant reasons for gratitude for the prosperity which hath strended the toil of the hus-Yours, &c.

ADAMS. E. Bloomfield, Ont. Co., Aug. 25, 1941.

Twelve Varieties of Wheat.

Gen. R. Harmon, Jr. of Whendand, has for saverel years past cultivated many different unrictics of wheat, with a view to test their relative value, or adaptedness to our soil and climate. At our request he has left at the Rochester Seed Store, samples, in straw and grain of twelve distinct kinds raised by him the past eecson. The seed of several of these varieties was imported from England last year by Mr. Bateham; but the past winter and spring being unusually severe for wheat, several of these kinds were n good deal injured by frost. This, however, should not be considered decisive proof that they will not endure our ordinary winters; for many cases might be found where common varieties were almost entirely destroyed the past season. The experiments of Gen. H. are valuable however, and he will please accept our thanks for the samples and the following paper which accompanied them.

For the New Genesce Furmer,

Mn. M. B. Batenan-The following is a list of we have reason to fear will outstrip all others in des the names and a shart description of the twelve varie-

troying our wheat crops. I mean couch or quack ties of wheat, samples of which I have left at the Seed Store:

> No. 1, Tuscas. This variety was introduced int this town four or five years ago, by Abram Hanford The seed I believe was imported. It has large straw chail white, bald; grain large and white, ripens a lit tle later than the common Flint. I have tried it or different soils, but it appears too liable to minro h frost for prefitable cultivation in this chanste: still i may possibly become acclimated so as to be a valuabl

No. 2, Tuscan Bearden. This variety was found mixed with No. 1, but is very different from it in ap pearance. The straw is very large, with long heads chaff white, with a long suff beard; grain large an handsome. It appears to be less hardy than the proceding; more than two-thirds of it being destroye by frost with me the past two sensons.

No. 3, VIRGINIA WHITE MAY. This variety wa introduced from Virginia, and is said to be the kin of which the Virginia flour is made, which stands s high in the markets. The straw resemble that of th White Flint, but is rather lighter. Chaff white, bald grain very short and round, of a reddish cast, some what flinty. It weighed last season sixty six pound to the bushel; ripens about a week earlier than th-White Flint; endures the winters well, but has suf fered more from the drouth this year than most othe varieties.

No. 4, VIRGINIA BRARDED. This variety I obtain ed from No 3, by sowing it in the spring. Head large and heavy, chaif white, with very suff beard which consider an objection to it.

No. 5. WHEATLAND RED, obtained in the same manner as No. 4. Strnw large, heads rather short buheavy; chaff red, buld; grain reddish; has the ap pearance of yielding well, and is very hardy.

No. 6, Common WHITE FLINT. This name wa probably given from its white straw and white fint grain. Heads short; chaff white, bald; grain ver white and flinty with thin bran, and yields flour of su perior quality. It is more generally cultivated that any other kind in this county, but the seed can sel dom be obtained pure. It is a very hardy variety being more seldom injured by frost than ane othe kind I am acquainted with.

No. 7, IMPROVED WHITE FLIST, Selected from among No. 6, and resembles that kind, but the head are larger and the grain not as flinty; makes very su perior, flour and a greater quantity per bushel than an other kind within my knowledge. (Gen. H. ha left eccd of this variety at the Seed Stere for eals - Pos.)

No. 8, WHITE PROVENCE. This was imported from France. I obtained it at the Rechester Seed Store and have raised it two yests. The Straw is smalle than any of the varieties I have cultivated, grow thick and is apt to ledge. Hends large; chaff brown bald or with short beards near the upper end; grain white, very large and fine, and has the appearance o yielding flour well.

No. 9, PEGGLESHAM. This is an English variety imported last year for the Rochester Seed Store, Straw short and bright; heads very close set and heavy; chi white, bald; grain white and fine. This variety is considerably injured by frost, and I doubt whether it will prove sufficiently hardy to be valuable here.

No. 10, Ectarsz, From the same source as No. 9. In growth and appearance this variety resembles our Red Chail Baid, but the grain is a darker red. It does not stand the winters as well as some other va-

No. 11, GOLDEN DROP. Imported the same as the last two. Resembles the White Flint in growth and ppearance: head larger; grain reddish, large, with

ather coarse appearance and thick bran. Did not and the winter very well.

No. 12, Believer Tallavera. From the same urce as the last three. Straw large and white, ild; grain large and fine. This is the most promisg of the four English varieties. It stends the winr well and is as early as the Flint. I believe it will found valuable.

You will perceive that the grain in most of the impicais a little shrunk, which is owing to the very wand hot worther just before harvest. Several of e imported varieties were so much injured by the inter, that the straw was very thin, which made em several days later in ripening. I shall continue y experiments with them till better satisfied of their Yours, &c., R. HARMON, Jr. Wheatland, August 26th, 1811.

REMARKS .- Any thing which tends to increase or mprove our wheat crop, is of the first importance to uis constry. And as there can be but little doubt nat improvements can be made in the kinds of wheat, we hope some of our readers will unite with Jen. Harmon, to tost the metter by experiments. The proprietors of the Seed Store have been at coniderable expense this season to import some 15 or 20 f the finest varieties of wheat to be found in England; which will be sold at \$1 per peck-this barely pays he cost and expenses. How many farmers will try bem all?-Ens.

Cherries.

A Supplement to our Last Article on this Subject.

The Early Richmond ripens of the same time with ho White Tartarian and the Black Corone; and may se used for culinary purposes a fortnight sooner than he Kentish, or common red cherry. We value it lowever, chiefly as a dessert fruit. When it becomes very ripe, it loses with its brightness most of its acidty; and in this state, it is chosen by many in preferince to the sweet cherries. The delicacy of its juice ar surnesses that of the common red elerry.

How long it would retain its excellence on the tree, ins not been ascertained to our knowledge. We have kept it there more than six weeks after it was ripe. It is not inclined to rot; but its aweetness at length attracts many insects, including the yellow hornet. The humming bird also comes in for a share; and we have egen it insert its little bill both when it was on the wing, and when it was sitting on the branch.

The Early Richmond is but a shrub, and may be trained very low; and if its fruit was protected by straw, like the current, it would probably keep as long. In our estimation it is far more desirable.

W. R. Prince says this variety was brought by his father from Richmond in Virginia. It is probably a native fruit.

The drought of the precent season, has been very favorable to cherries that are liable to rot in wet weathor; and it has given us an opportunity to observe that when the fruit dries up on the tree, it is generally in consequence of the punctures of insects. We remember to have seen many years ago near Philadelphia, one branch of a cherry tree well loaded, a month or two after the usual time of ripening, and when no fruit remained on any other part of the tree. Its appearance was very singular. On approaching it however, we found it was gnarded by wasps and no living thing could go nigh them with impunity.

The Transparent Guigne is a heart cherry; and like those of its class, not generally liable to the charge of sourness, though the fruit had a sharpness this season we had not noticed before. Was it occasioned by excessive sunship ? We consider the Transparent Gaigne as one of our most delicious cherries

LATEST NEWS.

State and Prospects of Trade-the Harvest in Ungland.

The accounts from the manufacturing districts conone to be very unfavorable, with the exception of those from the woollen districts of Yorkshire, in which there is some slight improvement. The atate of trade in Lancashire is truly deployable, confidence having been excessively shaken by the losses and embara-sments of the last two years, and the demand for goods being at present muserably low. Nothing but a good harve t can restore the coston manufactures to prosperity, by increasing the power of the middle and laboring classes, who are the great consumers to purchase clothing, and by restoring confidence generally. At present, and ituantely, the prospect of the country, so far as the harvest is concerned, as far from encour aging, for the weather cominues very cold for the season of the year, and the great weight of rain which has fellen must have done some mischief. It is still possible that the harvest may be an average one, but there is no reason to hope that it will be more than that, and without a change of weather it will be much less. Should there be any great deficiency, the consequences will be very serious indeed, for the supply of banded grain in the country at present does not emount to mere than four how hed thousand quarters, and any further supply which may have to be got from the continent of Europe will have to be purched ed at very high rates, as the crops are by no means promising abroad, and the foreign granaries are unus-For the last three weeks the prices both of free and bonded grain have been using in all the principal markets, and wheat has already reached a price much too high for the comfort of the people or the prosperity of trade. Unless there should be a decided improvement in the weather, a still further and much greater use will take place, and one which will doom the merchants and manufacturers to another year of gloom and embarinssment, and the poorer lasses (those whose wages, as we are told by Lord Sandon and other great political economists, use with the price of bread) to short work and still shorter com-mons for twelve months longer. However willing party politicians may be to deceive themselves and others as to the working of the corn laws, another delicient harvest, if, unfortunately it should take place, will open the eyes even of the most obstinate. There has been very little change in money matters during the last M mey continues to be abundant, but there is a great want of confidence in investing it. glad to see that the bullion of the Bank of England is sull increasing, though slowly. It now amounts to £5,170,000, which is an increase of £72,000 on the quarter. The weather of the next three weeks will decide whether it shall continue to increase steadily, or again decline much more inpully than it has advanced. Bith the Bank of England and the joint stock banks have increased their issues during the last quarter, though they are still low in com-parison with what they usually are. The rise in the price of grain has already begun to affect the averages, nd it is believed that some decrease of the daty will take place either this week or next. The average prices of wheat have advanced as follows during the last six weeks: - The week ending the 18th of June, the average was 62s. 5d.; on the 25th Jone 63s. 5d.; the 2d July, 60s. Hd.; the 9.h, 64s. 3d.; the 16th, 64s. Hd; the 23d, 64s. Hd. These returns do not include the sales of last week, which were at consid erably higher rates. The duty at present is 23s. 8d. and the average price of the six weeks, 63s, 6d. increase of a shilling per quarter in price diminishes the duty one shilling per quarter, until the price reaches sixty-seven shillings, when the duty declines two shillings for every shilling in the increase of price. At the same point the duty on Canadian wheat falls from 5s, to 6d, per quarter, and the daty on the barrel of flour to 35d. As the arrivals of Canadian wheat and flour are becoming very great, an unusually large quantity would be let into the mar-ket if the average of 67% should be reached. From the Mark-Lane Express of Aug. 2.

"In the early part of the week we had two or three days of fine weather, and hopes were beginning to be entertained that the rain had at length left as; on Thursday, however, it again become overeast, and since then heavy chowers have follen in various parts of the country. The temperature has, throughout the week, been exceedingly low for the time of year. and the absence of hot sunshine is greatly retarding the maturing of the crops, so that it has now become certain that the harvest must nevitably be late, and plactored, as otherwise

consequently more than neadly precanous. regard to the probable yield of Wheat, the reports are increasingly uninvocable; and unless a decided and total change of weather takes place, it is much to be tenred that that the produce will prove materially deficient both in quantity and quanty, and even under the most auspecious encumetances we much doubt wheden un aveinge can be recured.

"The high value which Wheat has now attained has induced the Farmers to thrash out rather neely, and the deliveres have been somewhat more liberal at n few of the leading markets in the agricultural districts; and the very high prices asked by sellers having tended to check the demand, there has, on the whole been rather less life in the trade, notwithstanding which prices have continued to creep up.

"Our Scotch letters inform us, that though the weather had rather improved in that country it still continued cold and glos nov, and the want of that genial hear so much required at this season to liven the crops, had caused all species of gruin to remain in an unhappy state; of positive damage, however, we are happy to say there are fewer complaints than might have been expected.

"From Ireland we learn that a good deal of vneasiness was felt there respecting the effect of the recent heavy rains on the outstanding crops. Helders of grain had taken the alarm, and enhanced rates were asked for both wheat and cats at most of the leading markets.

'The last London average is 2s. 3d. per qr. higher than for the week previous, being 3.350 grs. at 74s. This is of course not included in Thurs-3d. per qu. day's general weekly return; and as a considerable advance has, suce that was made up, taken place at many of the leading provincial towns, the next average for the Kingdom will probably be shout 2s. per qr. higher than the last, and the duty will shortly recede materially.

A Letter of Inquiry on Female Self Education.

Mr. Epiror-The kind regard which you have manifested for the interests of the female readers of your paper, induces me to hope that you will pardon the liberty I take in asking for the use of a small space in its columns. Conscious of my youth and ignorance, I do not seek to give, but to obtain instruction: and it some one who possesses the information I desire, will give it through the medium of the Farmer, I think it may prove of great lenefit to others lesides myself. My father is a farmer in moderate circumstances, and like many others in our land is unable to afford his child on any better means of a freetign than can be found at a common distrief school. That I have attended as long as annears hereficial, and now, wishing to make higher attainments, I am determined to commence a course of private study or self instruction. I do not in this way expect to obtain a perfect, much less a fashionable education; but I hope to become familier with the most important and useful branches of know tedge, so as to be able to instruct the younger members of the family, and render my life a greater blessing to myself and to those around me. My situation at present allows me from four to five hours leisure each day, and I have the means of obtaining a limited supply of books; but I fin I myself at a loss to decide how to proceed. I write therefore to entreat some person who is qualified for the task, to advise me on this subject. I wish particularly to be informed as to the relative value or importance of the different bram has of study; the best order to observe in relation to the time of commencing, and the manner of prosecuting them; the most suitable books, &c . & . : reference being had to my s tuation and circumstances.

A full and explicit answer to this, will very much oblig Your sincere friend.

Our Valley, July 1-11.

REMARKS-II gives us singere pleasure to publish the forcgoing letter of our fair friend; and we hope some tady of experience and educaton will assist her in her praiseworthy efforts. We see no reason why farmers' daughters, even in mo lerate circumstances, may not clevate themselves to an intellectual standard far above many of those who boast su perior advantages. We trust Helen will pardon us for making some alterations in her communication .- Ens.

Inquiries about Ashes.

Mesers, Epirors-I wish to ask the following questions respecting the use of wool ashes as manure:

- ist. What quantity of ashes is it proper to apply to an acre of grass land?
- 2d. What kind of soil is ashes of the most benefit upon 31 What time in the year is the best time to apply aske s
- 4th. Will askes be as beded-int upon land that has been AGRIPOLA

Rhyme and Reason - Tolitical Economy set results will soon be manufested by signs that will cheer to Music.

However dry some may consider Political Economy, a rhymster eastward shows that rhyme may be readily imandactured from some branches of that useful science. Only think of the statistics of cotton I interwoven with the flowers of rhyme! If people will not study Political Economy more thoroughly in its simple form, some rhymster might render himself a public benefactor by rendering the great truths of that science familiar to our ears through the aid of rhyme.

From the Northern Light.

COTTON STATISTICS.

Egyptian, Greek, nor Roman ever knew That such a plant as cotton grew; Or, if 'twere known.

'Twas only as a common, useless weed,
Which filly spring up, flourish'd, weat to seed,
By no one sown.
The eastern Indies grew it, spin, and wove;

But, wanting "gins," and steam their looms to move, The trade was small, Their bales, torn up as rags among mankind, World scarcely serve its blooding wounds to bind,

Mustins and ali.

A century since 'twas thus. The distaff, and
The shuttle, unably thrown from hand to han l,
Exhausted art.

Exhausted ant.

Spindle and power-loop their race began

When England brought to fight those "Wright's of man,"

Her drk, and Cort.*

What now? Why take the thread by Bughard spun. In one short year, and to and from the sun, In course sublime,

Trail it through spheres of planet bright and star,
"Twould stretch, still eretch through all those journies for
The fillight time."

Or, take the web her Iooms, of giant strength,
In the same time send out—what is its length?

An girdle bound

Twould span the earth's enormous walst,
Where longitude its longest line has tracid,
Tentimes around.

And are these webs, which thus could swathe the globe, Sent out that man alone may be inrobid?

It is the age of cotton. Fold on feld

Of its smooth texture clothes the young and old,
The high and low.

And whence the ram material which supplies

These countless spindles is both forever plies,

From the warm South. 'The there the genial earth With cotion teems—'tis there it springs to birth—'Tis there it blooms.

But 'tis not England only that uplifts
The age with steam. That power with Empire shifts.
New-Englant long

Has felt the mighty impulse. Soon will she Wenve for the world-old England's rival be, As rich, as strong.

Then let the North and South in union live, Nature and art to this their sanction give, Join'd hand in hand,

Producers and consumers, mingled, clalm

A common parentage, a common fame,

A common land.

Pilatka, East Florida, Puly, 1911.

Agriculture and Education.

These things should go hand in hand everywhere. The Farmer who negicets to improve the minds of his children, gives mela, choly proof that he himself is unfitted to realize the blessings which Heaven has liberally showered upon the land. See to the schools in your neighborhood—visit them frequently—encourage the teachers and the scholars with your presence, even for a few minutes in a week—and the

results will soon be manifested by signs that will cheer you conward to greater exertions in the cause of Education. You owe at least this nuch be your own children—and in disclarging the duty to them, you will have the consciousness of incidentally benefitting your whole neighborhood.

ET Wives, mothers, sisters! Your influence may be made all-powerful in promoting the welfare of society in this way. How can you allow your children or other young relatives to pass through the schools, uncheered by the encouraging visits and influence which you might reasonably be expected to bestow on the schools that exert such powerful influence "for weal or for wo" over the immortal minds of the right generation.

Let any one person, lady or gentleman, try the experiment—visit the school or schools in the ne gliborbood—mannlest becoming interest in the progress of education—and their exertions, loke heaven-born Charity, will be "twice-blest"—blest to the recipient as well as the bonefactor—repaying all toil with hundred-fold gratification to those who benevolendly engage in the blessed work.

> For the New Geneses Farmer. Sern ps.

Massas. Entrops.—Having been a reader of the old and New Genesce Farmer, I have taken note of a number of facts that have fathen under my observation as a practical farmer, and am willing to contribute my mite in compliance with your oft repeated request.

SALIVA IN THE HORSE—Can be cared by mixing a table spoonful of flour sulphur in the ealt that is given them.

Milk Spreading—May be remedied by pressing the test full of milk against a stone and rubbing it amortly.

Guarriso—Can be done by any person by cutting the shoots before warm weather, and keeping them in an ice house till the flowers fall, or in other words till the bank peels; then cut off the limb, take a twig three or four inches long and sharpen it by cutting entirely on one side, from one to two inches in length, seconding to the size of the twig, this che bank on the stock with your knife and insert the graft—the bank side next the bank. Apply salve enough to exclude the sir, and the process is completed.

Setting grafts on this plan supersodes the necessity of splitting the stock, they are much surer to grow, and the labor is much less than the old way. The end of the stock should be painted with common paint; it is better than wax.

Yellow Water.—The yellow water can be cured by the following process:—First bleed the horse; secondly, give him one tenspoonful salipetre by dissolving it in a pail of water; the herse must be considerably dry before he will drink it; thirdly, give him one table apountal of rosh pounded fine and mixed with bran or meal; let one day intervene between each. A second portion of rosin can be given if necessary.

Disorder is Hoos.—The writer has had a number of hogs that have become lame generally in the hot months of July or Angust. They were attacked in the hind legs and became lamer and lamer, till it was with much difficulty they could move at all—lose flesh rapidly, and if they got better in the fall, fat but poorty; the cause and cure is respectfully called for.

Politics.—S. W. is treating political economy after the manner of a mester. But is it not dangerous ground for you to tread upon? I don't your getting a great ways without treading on some one's toes.

CANADA THISTLES —This scourge of all scourges is making rapid progress in our country. Twenty years ago it scarcely over seeded, but it appears to

have become acclimated and now seeds very heavily. They can be killed by turning the land to pasture, and pulling them as often as they make their oppear-

Dagalog.—This instrument can be made the essient by splitting a log eight feet long and eighteen of twenty inches through, and cutting again across the middle of one half, say four inches wide and three deep in this pin the but end of a pole. It may be made lighter by bollowing out the ends. It is very nacful in smoothing newly ploughed sward.

West Niles, April, 1841.

W. R.

Life in the Country Contrasted with City

The discontented farmer, who sighs for city life, may be edified by the picture of crowded towns prosented in the annexed sketch, from the pen of Jona A. Dux, late Socretary of the State of New York. The fidelity of the picture is wofully realized by those of as who are surfeited and smothered by the heat and dust and other accompaniments of city life under a roasting temperature of ninety-six to a hundred. There is "more truth than poetry" in the sketch, as the doubting farmer may discover to his cost, if he foreakes the free air of the farm for the glitter of even the best regulated city. The "Northern Light," the valuable paper now edited by General Dix, has never been embellished with a more vivid picture than this from the pen of its gifted editor.

Town and Country. PY JOHN A. DIX.

At the very moment when cities put on their worst aspect, and the country its fairest and most attractive. it may not seem altogether consistent with impartial instice to set up a comparison between them. yet it will not be difficult, we apprehend, to hold the balance even. That cities possess some superiorities over the country, particularly at less genial seasons of the year, will not be disputed. When our friends in the interior are blocked up by mountains of snow, and the intercommunications of pleasure and business among them are difficult, if not impracticable, each man among us shevels oil his twenty-five feet front of sidewalk, under an enlivening sense of the fine for neglect thereof, and we pass from one extremity of negicet thereof, pur we pass from the case and the city to the other, with as little obstruction as in the heat of summer. But cities have some superiorities over the country at all seasons. They contain, in a more concentrated shape, the means of intellections of the country at the country tual improvement. Extensive libraries, reading-rooms and bookstores are there to be found, furnishing in-formation on almost all subjects, and in almost all The perpetual contact and collision into which mind is brought with mind, quickens the intellect and keeps it in constant preparation for conflict. Men are, as it were, always within pistol-shot of each other, walking the streets and lying down at night with their intellectual weapons sharpened and their barness buckled to their backs. Yet we ninst concede that the country has some advantage over us in certain departments of mental labor. Its shades, its tranquility, and its repose are peculiarly adapted to meditation. He, who would percurate the depths of a subject, will more readily attain his object in its cool and quiet retreats, than in the heart of a city, with all its bustle and its turnult to distract his thoughts and disturb his processes of investigation.

But assuming for the city some superiority in the particulars adverted to, how do we sink in the comparison when we turn to the other views of the subcet! Let us look about us, and see what is our condition now. It is midsummer: we are in the very mildle of the sign Loo; and the "deg-star rages, Let us look at the thermometer -- 92 degrees in the What a sufficating heat, and no escape from it! The rich men did not long for a drop of water from the finger of Lazarue more cagerly than we for a mouthful of fresh air from the towering Catskill or the martial Helderbeigh, which we see in the dis-We close our windows and blinds and abut out the light of day, under the suggestion of a philosophical friend that light and heat are in some degree inseparable, and if we exclude the one we get rid of a portion of the other. We sit down in this artificial twilight of our dwellings, and find life insupportable. But business calls us out. We must be at our counting-rooms, our offices, and our workshops: we have

^{*} Sir Richard Arkwright invented the sphudle; the Rev. Edmand Cartwright invented the poter-loam.

† These are not poetled fittions, but mathematical calendar and; a part of statistical records, which have been published.

use to try at the Circuit; some good friend in the intor has sent as mency to pay taxes, or a power attorney to procure a pension for one of the gallant sits who shed his blood in asserting our independent, and we must see the Countroller or the Pension Ant: we bave promised to meet our friend Jenkins is rooms, and assist him in that ugly business with ech ho is cottangled. We are in the street. There is a cloud in the sky, and the sun shines out with satorial splendor. He has just reached a point in theavens, from which he looks stringlit down the set we are to walk through, leaving not a foot of do no cither side for shelter. There is no choice to face him in all his fareeness. The parement is idde-walks are heated to the temperature of a lasce. Our soles are none of the lightest; but our burn as we tread these passenois of brick, which in fresh from the baking. We ones alone the use to try at the Circuit; some good friend in the burn as we tread these pavements of brick, which in fresh from the baking. We pass along the The sun has been shining for hours on the hts of these houses, which are exhaling, for our comfort, the heat they have absorbed. Here comes purt heavily tolen, dragged painfully over the pavent. The horse is struggling with his load, pant-at least thrice for every step he takes; and the man is looking for a dry spot in his red bandanna dkerchief, to wipe off the streams that are pouring on his mottled visage. An unbappy cur, with his e muzzled under the dog-law, has just passed along. our Common Council ignorant of the natural hisof the animal, or did they invent this terment for express purpose of making him mad by shutting his tongue in his mouth, and thus closing the acipal outlet for his surplus heat? A half a dozen prers have gathered under this awning, for want a better shade. They have just finished their half stabor, and are breathing a moment before they ounter the fiery ordes!, through which they are to s to their dinner. What would they not give, of little they have to give, it they could exchange plawith one of the thousand groups of their fellow-laers in the fields, who, at this very moment, are shing their lunch under a tree of impenetrable de, and are preparing to lie down for an hour upon bosom of their mother earth, with the purest air around, and the grass and ground and wild flowbeneath them sending up freshness and fragrance? hat a contrast to all this do we present! We have ered up the fair face of our mother with bricks and ring-stones: a few trees scattered along the streets talize us with conceptions of shade, which we are to realize; narrow patches of grass of a few feet length, in front or rear of our dwellings, parched wn, meet the eye here and there-solemn nts, as they are, of the broader surfaces, which we re overspread and buried alive under our contrivanto hide the face of nature.

But, the heat of the day is past, and the night is ing alike over the face of the country and the We begin at length to think we breathe more The streets are no longer blazing with the s of the sun; but ala-! they have been gathering it all the day long, and they are now giving it out, wo pass through them, in streams as sensible as the eath of a volcano. Those, who keep or can afford hire vehicles, have driven out of town, and are eathing the free sir, or snatching hasty glimpses of fields and trees before they are lost in the darkness, tese are the favored lew. The lot of most of us is pass the evening and the night where we have seed the day—in the heart of the city. And, spite its heated atmosphere, there is something animatg in its aspect at the early hours of night-in its ig lines of flickering lamps, in the numberless lights at stream from the windows of its dwellings, and in s hundreds and thousands that are seen in the streets, ting at their porches or making the flinty paveents vocal with their tread.

But the hour of rest has come, bringing new dismforts with it. As the air begins to grow cool and for the renovation of our drooping bodies and spir-, we must shut it out. This is the overruling ne-saity of every night. The city burgess of the mide agea was not more vigilant to close up the inse martial tenement-he against the feudal enemy, id we against the househreaker and the thief. But ere are great nec is ins which call for fresh precauons. The evening | ape ; tell us that a gang of destrate villains are abroad, and that our property and ves are in danger. What a peering into the condion of locks and fastenings do these warnings pro-We examine every window, we lock and bar

him. We bring forth our pocket pistols, see that they are loaded, put fresh caps on them, and place them within reach of our bed. Thus prepared for the most desperate extremities, we commit ourselves to the care of a superintending Providence, browling over apprehended invasions of our domestic ulture by our fellow-man, and with a host of bloody resolutions at our hearts.

These, however, are eras in our lives. We are not always thus belligerent. But in our best estate there is no lack of discomfort. We must lie down at night in steaming bed-chambers until the summer heats are over, and rise in the morning, unrefreshed, for the repetition of the same scenes, through which we pass ed yesterday. Nor are we comforted by the frequent inggestions, which apping up within us, as to the condition of him, who, in the calm and quiet retreats of the country, lays his head upon his pillow, with the cool breath of Heaven pouring in at every door and every wandow, thrown wide open to receive it, and sinks to rest with the assurance that, and such evidences of the power and benificence of the Almighty as those which surround him, no impions hand will be raised to take from him his property or shed his blood.

Agriculture in Missouri.

We have often remarked that western agriculture must be peculiar in some of its essential features, and are more and more impressed with the importance of discussing such peculiarities in a manner that will swaken attention and embody profitable information. We may say with much propriety that the agricultural science, regarded in its proper construction, as applicable to the west, has yet to be learned.

We cannot find a portion of land in the whole earth like ours; and while we admit that there are certain principles ascertained to be proper in the management of all soils, still there are others only sumable to such as in their nature require their adop-We require a somewhat peculiar mode of tion. We require a somewhat peculiar mode of ploughing, a psculiar character of grains and seeds, and peculiar treatment. This must be admitted, for at distant removes in any part of the world, and you find local principles and local treatment in tilling soils that are only propor for their own locality. vast quantities of land amongst us to be had at a small valuation, and their exceeding richness, renders it necessary that our agricultural operations and policy should be peculiar.

With what an ill grace do recommendations reach us through the medium of foreign agricultural works, such as the benefit of a nice system of drill husbandry-a system that would require as many hands to an acre as we appropriate to a dozen, the one care yielding, perhaps, double one of ours, which is its only argument. Drill husbandry is necessary where practiced, because land is scarce and high, making it important that every inch should be made available in the highest de gree. When we take into account the value of labor, the largeness of our plantations, and the productiveness of our soil, such nice measures must be discarded as impolitic.

Then for us to adopt as a general principle, the lavish application of manure, is a doubtful means, and unless an intelligent discrimination is practiced, at-tended with danger. We do not say that we look upon the attempt to increase the richness of our soil as uscless, or that it ought to be regarded with inditference, but would recommend, at present, other

means than the application of manure.

Such of our soils as are inferior in production may be vastly benefitted by deep ploughing, a mode that is easy in its practice, and making if the additional draft This, together with a thoupon our time or force. rough pulverization of sward, will be tound sufficient for our lands for many years-at I sat it will be found netter to depend upon this, until niher equally vital considerations are acted upon which now plead more strongly for immediate attention. We will not speak negatively longer in reference to our local needs, but say a few words conveying our opinion of what we seem to require in order to advance rapidly our interests by a suitable development and application of our resources.

To this end we are test to learn the nature and extent of these resources. No individual or community can employ mana with a good prospect of continued success unless a knowledge is first attained of the character of Licans in possession; when this is decided, it is very properly to apply. Are the resources of a state or larger community geographicald double-bolt the street door, and shut up every if confined to particular policy, diversified in their bening through which the breath of night can gain nature, there will it be more difficult to fix upon a limitance. The dog has his proper station assigned underse two of means. Yet situated as we are in this

respect, the policy best to be adopted is apparently obvious, for we are, in an unrestricted sense, an agricultural community. In keeping our eye upon development and application, we would say that al-though we might arrive as a community to considerable eminence as a grain raising portion of our country, yet our markets are, and in all probability will such as to make it suicidal to our interest to make this product a staple.

We say, that having properly ascertained all our elations as an agricultural community, we must, if we would thrive, make our staple production.—
Stock, Tobacco and Hemp. There must be made Stock, Tobacco and Hemp. the articles of export. Upon these we must depend for our circulating medium. All of these articles are steadily rising in value and the demand for them growing greater. There is no danger of overstocking the country, for we are importing and shall be for many years, two of them, viz: Stock and Hemp, and there is a substantial market of Tobacco in Europe, and this is growing better .- Mo. Farmer,

Subsoil Cultivation.

Sm-I am an old man, and an old farmer; but my eyes are not so dim, but I can see that there is much to learn in the way of a profession that has hitherto been considered either too high or too low-which, I cannot say-to admit of much advantage from observation or reflection; indeed it is plain that we shall be distanced in the race of improvements that is taking place around us, in farming, as well as in every other science. But the subject that has awakened me to now life and fresh vigor, even in my old age, is, the cultivation of the subsoil, by means of moving it by such an instrument es that, or which you have given us a drawing in your last, the Deanston Plough; and for the first time in my life, I regret that I was born so seen, by 20 years. Why, Mr. Editor, I can born so soon, by 20 years. see with half an eye that the thing will work, and can fully understand how that the operation must be as beneficial for a sandy, as for a clay soil, much of the former, as well as of the latter, having a retentive of the crop; first, in wet weather, as preventing a glut of water from passing away, until it has become putrid and poisonous to vegetation, and next, in a timo of drought, preventing the descent of the roots of the plants in search of moisture, which is ever present, even in the driest seasons, within a given distance of the surface of the earth, and where, as you say, they go for water, which by their tap roots is pumped up to the lateral roots, while busily engaged in search of food in the surface soil—a pretty idea that, and worth many times the subscription money of the Cabinet.

To a want of deep ploughing might be attributed, I have no doubt, the weakness of our wheat-crop', which are so liable to be prostrated by any little gust of wind, after it has shot into the ear, and often, indeed, before that period. With a strength, equal in appearance to any vicissitude of climate, we find our crops ready to fall by their own weight, and wonder that with straw oftentimes like reed, they have the substance only of the common grasces. This is the cause, depend upon it, and it is but natural that it should be so, for I have long considered the tap-root of a plant-and which even wheat is furnished witho act the part of an anchor, and the lower and deepar this is east, the greater will be the power of resistins is ca.t, the greater will be the power of resistance; while the secondary purpose which it serves, that of "pumping from below the mointre that is to serve as drink to the food which is collected by the lateral roots in the surface soil," is new to me, and finishes the picture admirably. I consider therefore, the operation of subsoil-ploughing the "ne plus ultra," as the old blocking makers are affected. as the old blacking makers say-of successful ngriculture, and have great hope that by its adoption, one-half, at least, of the the evils attending the cultivation of the wheat crop will be obviated, possibly the blight and rust, and even the Hessian fly, and es secially the lifting of the crop by frost .- Farmers Cabinet.

Improved Husbandry.

The vast improvements in Agricultural Productsin roots, grain, fruit, and live stock-show what may be done by judicious cultivation. It should be the The comfort of his family, and his pecunraised. rarsen. The comort of ms tanny, and ms peculiary profits would thus be alike promoted. "A httle farm well cultivated," is more pleasant and profitable than great deserts of land overgrown with mullens Thousands of farmers who now car and thistles. scarce "make both ends meet" on a hundred-scre arm, might realize double the income and tenfold unfort from lifty well-cultivated acres.

SUBMER ALL THE YEAR.

manufacturing the

MACEDON HOT AIR FURNACE,

AMAGIADA HOT AIR FURNACE, I now prepare I to event all order of no warming dwelling houses, neglecules, somether and store public buildings. The entire plan has no regione a thorough revision (and no expense his feed space), to renter the whole as perfect as possible.

The testimonials arreved from gentlemen of the highest respectability, leave no room for dount, that,

Health, Comfort, and Economy.

will be greatly promoted by the adoption of the me hold pro-The subscriber is pledged to furnish the enstings, put up

This subscriber is picked to furnish the ensities, put up in the bet a skyle, at a five 1 and molect for a e; having full could hence that he will be anstained by the merits of the inventor, and the discrement of the community.

Communications (post path) respecting information, or eacher no order, promptly shoulded to, fad firesed to win. B. Smith, Macchan, way no county, or to

DAVID ANTHONY.

Caion Springs, Caruga Counts.

Caim Springs, Canaga Canata.

Test: Doublas.

Soon after the presenting a commenced, I had a bet-air furnace exceed, which domes of win R. Somily inventor.

The not hoese of principle for ear that download the nothers and principle for ear that download the fromes, was all instead the wished; and on my health the effect was eminently be of earl. Had been subject to odd (catards) every water in a long series of years; but from the time of kindling the fire of the (images with a was discontinued by one of the kind.

Three romains were warmed by this furnace. From civile.

consider (Fig. 6), as spring, I was enough the from every symptom of the kind.

From whom and or uple for the formation. From either of them whom not or uple for the formation of the received them whom not or uple for the formation of the six and on the reverse, of it was so then! when eld is opening its vendation and the six file of their for a few matrics, the apartinent was made combinated before a common fire could be well-knowled. In regard to the saving of field I am not prepared to state my thing deliabely; bin, I have see a making to in these me to presson that every flavorable integers of others. The the evel-bisson of whom showers, are inspected when the saving outlable in proposing the wood, as one of great value which in many cases doubles or trebles its original cost.

In using this furnece, we were also free from the constant

value which it many cases doubles or trebles its original cast. Since the former were also free from the construit. In most thick frace, we were also free from the construit. In most the function of the fun

and rheumatism, can be valued only by those who have adopted this plan.

The advence of all danger from fire, and free low from the dest and labor attendent upon the care of the fire-place, are from of no small around.

In the past prolonged cold season, we used twelve cornd three quarkers of wood.

We shooth, August 27th, 1811.

MONROE MORTICULTURAL GARDEN AND BURNERIES, GREEGE, (NGAE ROCHESTER) MONROE CO. N. Y

A GILD VILVY increased Stock of Fruit Trees, Orn men-tal Trees and Stort is, Heroaccous Plants, and a large assortiment of ratio Green House Plants and Buloms norts constantly for sale.

The seask of Perch and Cherry Trees on hand at the pre-

The work of rewilliam Cherry Frees on habitatine present time islange, of young and thrifty growth, and were mostly cultivated from learning trees in the nursery or variable. They will be guarantied to be true to the kind representation.

Ornamental trees and shrubs, of many kinds, of large size, ean be supplied. Orders with due references, or money enclosed, will be

Orders with due references, or money enclosed, will be carriefully eventued, and trees and plants packed in a secure manner, so that they may be carried to any part of the com-try with safety.

Trees an I plants will be delivered for the Leie Ganal, one mile from the nursers.

Trees an i paints will be delivered for the Belie Gand, one from the interest, or it Rochester, or the steam that the Bridger of the steam that Garden on the half at the Bridger Speed Store or earlies and the second of applicants per an all frequency. A SA ROWE.

A Moreo Co. N. T. Agrant 181.



MOTTS PITENT AGRICULTURISTS IVI FIGNACE, -N unlactured by M. C.Weidl, No. 53 main st., Rochecter, N. Y.-Th. santicle was constucted in consequence of a single stimution, the American Institute—that a simple portable and lowprined Furnace was much wanted by tremers for boiling or steamng food, preparing maple or beet-root sugar, and for ma-cy meetingied purposes.

It is subgreed to it a space from one to two inches is left between the holler and the casing that suscends it, causing the heat in its passage (a the pipe, to encircle all parts of us boiler even to its upper edge. The Aspecican Institute awarded a silver medal at

en lete land.
The following is an extract from the Cultivator extra for how with an extract from the Curivator extra for Decomber; = 2 Anth L11 14815 S. FUINATE, [Fig. 2004] = A good, cheap, and double bailer has long been aught for by the farmer. Person kerties, candidross and boxes, with Spectron bottoms set in bands, have been used, as well as recan bottom, set in bands, have been but they all take up considerable room, are clumey and burdensome. For the last seven years, I have tried all the above maned a takes, and have hid them by, and substitute to me of "Mort's patent Agriculturist's Furnace and Codeboom."

"It will be readily received that it has many a lyan-"It will be readily perceived that it has many a lyan-rages over those ear in table. It takes up but third room, is ught, and may be placed on the floor, and requires and end uffort support it. Be also heir profit he, it may be removed from pive to place, as used sim or conven-cues require; two non-are sufficient to remove it. In cast he made to be diffulf of regentifies in 30 minutes, and the second filting in 30 minutes. In this I was largely deeper content for I had always supposed (that brick regula-ed the load better than it on and after I ching cree heared, would be much less further beautiful.). Another were ed the beat hetter than it in, and after a leing core hearted, would be much less furth keep it beating. Another very important consideration, and will go for to recommend it, it, that to equivar a much less would than one of the same size and form set in brook or even the box, with an sheet toon bottom so brighly recommended it is one of the former volumes of the Contrastor. Although wood may be pleasy, it riskes time and labor to procure it. "See im bodies may answer in very large establishments, but I have found them very monovement, as very faitners is not engineer round to manage it, and the con-

farmer is not engineer enough to manage it, and the con-sequence was no occasional explosion or collapse, and in either case an expense and considerable trouble was

Some five or six years ago, I tried a copper ylinder within a cylinder the turnine in the centre, surconsided by water, very sum ar and on the same principle as the one figured in (Az 13th number of the current vol. ume of the New English I Pariner, 2. Denor Warren's Patent Cylinder Vegetable Smainer, but I found at very expensive to keep it in order, and abandored it.

Three-Hills Farms. C. N. DEMENT."

Also, for the attnessme place Well's celebrated Hot Air Cooking store. For which was own ideal a silver modal for the best cooking store, at the last fair in this The public are invited to call and see it.

BERKSHIRE PIGS.

TOL. AVOS SAWYER, of this city, has a few very fine young Berkelere Pigs which he degree to dispuse of to be farmers in this votable. Sold and recitlem. Sept. 1.

MILLER SEED, wanted at the Rochester Seel

No Appearishments will be inserted in this paper except No ACCESTISMENTS WITHOUT INSCRIPTION TO ACCESS AND ACCESS ACCESS AND ACCESS A

Mechanics Fair at Rochester.

The third annual Fair of the Mechanics and Artizans of Western New York will be held at Rochester commencing on the 12th day of October. We have not room to insert the Circular this month, and we believe no arguments are necessary to induce the thousands to attend who witnessed the previous exhi-

MOENT HOPE GARDEN & NURSERIE

MOUNT HOPE GAMBEA & SCREEKING
THE Proposition of this Establishment offer to sale at
mental assument of Nursey articles, comprising Fra
and Ornomental Trees, Powering Shrubs, Perlayer
Plants, This, II, Racinkin, Jand other Enlibous Flower Row
Double 16 black, &c. &c.
They have also on hands large and fine co bection of Gre
and Hot Rouse plants, including Germanns, Chine
honthy Roses, Camella Alponder, Chine e Azaleas, Ca
honthy Roses, Camella Alponder, Chine e Azaleas, Ca

Monthly Bores, Camella Japonica, Chuce Azaleas, Ca Jasmines, Cachurea, & A. Governette, Cachurea, Ca-Orders for any of the above strickes, whether large mult, will be promptly and faithfully executed and cherg multiple of the property of the control of the control of distance may rely on having their artists, centrely pack and marked and shipped as their orders have designate. To such persons of a r-about forming new establishment rely may be such as the control of the control of the form who may wish to dispose of Trees, Strints, Plants, & in their neighborhood, our crims will be very like all part of the country and skindly endeaves funcished on re-sonable notice, and information on any subject connect with the mosney will be forestedly and promptly imparte

y and exiting graciers furnished ad information on any subject will be cheerfully and promptly

soughte notice, and information on any subject connects with the maximes with the clearfully and promptly imparted it is expected that persons unacquain ed with the propertors will either a company their orders with a remarkate mane a guarantee in the city of Rochester or vicinity. Rochester, Sept. 1, 1541.

N. B. Our Unit Trees comprise the most desirable car and late varieties and the unions can be last Sect taken propagating from such trees only as were in a hearing sta and whose quantities have been said rently tested.

NEW YORK MARKET-August 28.

From.-We noticed an advance in Flour last week (6.50, same then the news from Purope has carried it up Short, since their the news-treat attrape newscarred it up \$0.75, and the market is very 6, in; an leven at these pric-purchases have been mode for export. The market shru-will sustain present prices. Common bands Western fir at \$6.75; Ohio, \$0.5; a \$9.75; Michigan, \$0.50; Top \$6.75; no Howard-Stueet here,—Hast sales \$6.57 fb.

.- In the early part of the week the supplies of cor Gars—In the early part of the week the supplies of on were large, and the demand from the East swept the mask — fund 30,000 bushels went out of the market Fast. Southern corn at 75 a. 75 meroe, and Northern and Jersey 78 so. The market is still very firm—of wheat but little huspersord at market—sleep of about 2000 bushels superior that a market—sleep of about 2000 bushels superior that a market—sleep of about 2000 bushels superior that one of the still bushels are size of 5 ct. Since list week. Number nots strong it 19 a 50 cs. Ry has been taken freely at 6 · a 71 cs., which is the same that were the superior of th

A-ms. The market is perfectly uniform. Both sorts so at \$5,75. Pots are a lit to quicker than pearls.

RATES OF UNCURRENT MONEY. | Succie, | Succ

ROCHESTER PRICES CURRENT.

CORRECTED FOR THE NEW GENESEE LARMER, SEPTEMBER 1, 184 WHEAT, per bushel, \$ 1,25 a \$ 1,28 CORN,..... " OATS, 56..... 28..... 41.... 56 623.... BEANS, White,..."..... 624 75 44..... APPLES, Desert, " 25..... FLOUR, Superfine, per bbl 6,00 6,25 " Fine, ... " ... 5,09.... 5.25 SALT, ... " ... 1,38... 1,50 PORK, Mess,.... "10,00.....10,50 Prime, 4 9,00 9,50 BEEF,per 100 lbs..... 3,50..... 4,00 EGGS,per dezen, BUTTER, Fresh. per pound 10..... 12 10..... 12 CHEESE, Fukin, ... " ... 9.... 10 6..... LARD, " 6,,,,, TALLOW, Clear, " ... 8..... HIDES, Green " ... 5..... PEARL ASHES, ... 100 lbs.. 5,00..... " .. 4.50..... WOOL,pound,... 30.... HAY,ton, ...12,00.....14.00 GRASS SEED,....bushel,... 1,00...... 1,50 FLAX, ... '6 871.... PLASTER, (in bbls) per ton, ... 6,00..... £71 bulk (at Wheatland). 3,50,....

REMARKS.-The wheat market has been quite active for some time past, and the price has materially advanced .-Last week it rose as high as \$.00 a \$.44 per bushel, Lui that was owing to a little temporary strife between the millers and forwarders, and it declined to \$1,25 a \$1,55, which is as high as the flour market wid warrant, and as high as farmers can expect, unless arrivals from England should bring accounts of an unfavorable harvest in Europe. The Genesee River is so low that the Rochester Mills are grinding but little ; and consequently not much when is now

wan el for this market.

B. BATERIAM. F. CROSMAN.

Proprietors.

ROCHESTER, OCTOBER, 1811.

JOHN J. THOMAS, M. B. BATEHAM, Editors.

PUBLISHED MONTHLY.

TERMS.

CTV CENTS, per year, payable atways in advance, set Masters. Agests, and others, sending money free of gag, will receive see an opport for \$3, - Tieceae copies for \$10, the postege of this paper is only one cent to any place in this state, and one and a half cents to any part of United States.

dress BATEHAM & CROSMAN, Rochester, N. Y.

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Madison county Agrana-my Agricultural Society. Mechanics Fair at Roga-ry Wild Rice.

b Different Breeds of Society. American Wood Pro-Culture of the Tare or Verch, seep's Recoping Machine. Vatera gloriosa.

According Machine. Vatera gloriosa.

Wheat Collare. Wheel Ploughs
rain in Cattle. Cold Water. Insorder in Hors, sh News. Pickles. "Pearl Barley" of the mical, or Prepared Vanutres. Toundo Figs. True Anti-Cora Law Ag tation in England. 15-gation. Indian Cora and Sogar Beets. How to Corn. Draving Natis into Hard Wood. 159 ertisements. Market Reports. Prices Current, 160

A Word to our Friends.

e New Genesce Farmer is daily finding favor, xtending its influence among the tillers of the Our present edition it nearly exhausted, but the will soon close, when we intend to astonish folks. More about this, next month. An apoldue to our readers for the bad appearance and of some of our late numbers; the fault was in We have made a change ess, or its owner. ionth, and we hope for the better. At all events e determined to have matters go right shortly.

hope our correspondents will make good use of them a little more frequently. We have no any yet for Helen. Shall we not have one next ?-We are now off to STRACUSE-great news r next!

Hints for the Month.

post months have been devoted chiefly to the stion,-the present must be to the preservation

n should be suffered to stand in the shock, until become fully ripened by nourishment from the -but not later, as husking with cold fingers is isant. Let it be placed where it will be well exto the air; as the quality of corn, both for doconsumption and for feeding animals, is greatred by moldiness, even of the cob only, though appear perfectly sound. For the same reason, hould be taken that shocks of corn standing on round, are not injured by wet weather.

atoes, after digging, should not be exposed to the habited, but some have seve

sun. They lose their tine quality, and acquire more or less of bitterness, when kept in cellars exposed to the light merely. Those for immediate domestic use, should be kept in barrels, and the rest either in large bins lined and covered with turf, or mixed with carth in barrels or hogsheads, or else buried in heaps in the open air. But rentilation is necessary. A hole should be made with a stick or crowbar in the upper part of every potatoe heap, and continue open until the severest weather sets in ; for want of this, thousands of bushels are lost yearly, and the loss attributed to frost

Apples, and all root crops, need the same care, but turnips more especially, which will inevitably be ruined unless the heated air from the beap can pass off.

Mangel wurtzel and angar beets should be completely secured by the end of the month, and rutabagas not much later, if the danger of loss by freezing is to be avoided. Get a ruta-baga book, described in our eighth number of this year, by which a man may easily harvest an acre a day.

Winter apples should be gathered before the arrival of severe frost-till near the end of the month-they should be carefully picked by hand by means of convenient ladders-and should not be suffered to become in the least degree bruised until they are well packed. As an easy, cheap, neat, and excellent mode, we recommend packing with chaff and lime in barrels. adopted by VV. F. Shotwell, and described on page 180 of our last volume.

Now is the season for planting trees-remembernow is as easy as next year, or the next-and they will be growing all the while-put off other work, but not this. Shade trees give almost the whole expression to a country or a town. If the work is done in aniumi, and well done, the earth will become properly settled about the roots, and they will have no hing to do in the spring, but to grave—but if removed then. greater or less check must inevitably be given to them.

To have ground early in good order for crops next spring, plough your ground this fall, and let it be exosed to the action of frost through winter,

Prepare cattle yards for the manufacture of manure on as large a scale as practicable—provide plenty of straw for litter—remember, plenty,—and that is a great deal; and if possible, cart on your manure yards a large quantity of swamp muck ; or if that cannot be had, simple earth, to mix with the other ma-The labor will be well repaid,

Excrescences on Plum Trees.

The insect that produces these unsightly bunches, has not confined its operations entirely to the early part of the season; but in the nursery we have found 9 mo. 18,) several worms that have very recently started into life. These who are determined to save their trees, should therefore be on the alert.

We have already recommended close pruning as a means of detecting these deprecators. The vigor of the tree n ed not be injured, while the fruit will be iner, and the bunches perceived at a glance. In a bushy tree, it is a tiresome task to discover them all.

It appears that when the female deposits her eggs something is applied to the branch which causes wood to become granular or fungous-a fit re for her progeny; and not unfrequentle found there. Every excrescence

Elder-Berry Wine.

Messes. Editors :- Having come into possession of several acres of land mostly covered with elder bushes, which promise a great crop of berries, I wish to inquire wether it would be profitable making them into wine; and if so, what is the process by which it A. SUBSCRIBER. is made.

Chautauque County, N. Y.

REMARKS.-The above is the second inquiry of the kind received by us within a month past. Anndvocates of temperance we would reply, we do not believe that making wine of any kind will in the end be found prefitabe; still to gratify our subscribers we give such information on the subject as we find at band

The following is from a little English work entitled "The Art of Making Wine from Native Fruits."
"ELDERBERRY WINE.—The fruit is excellently

calculated for the production of wine. Its juice contains a considerable portion of the fermentative matter which is so essential for the production of vigorous fermentation, and its beautiful color communicates to the wine a rich tint; but as the fruit is deficient in saccharine, matter, this substance must be liberally supplied. This wine is much amelierated by adding to the elderberry juice a small portion of super-tartrate Dr. Macculloch observes, 'that the proportion of this salt may vary from one to four, even six per cent. The causes of this admissible laxity will appear, when it is considered that the greater part of the super-tartrate of potach is again deposited in the lees. I may also remark, that from two to four per cent, will be found a sufficient dose, in proportion to the greater or less sweetness of the fruit, the sweetest requiring the largest quantity of this salt, The dose of it ought also to vary in and rice versu. proportion to the added sugar, increasing it as this nerea: ea.

To every two quarts of bruised berries put one part of water, strain the inice through a bair seive. and add to every quart of the diluted jnice one pound of lump sugar. Boil the mixture for about one quarter of an hour, and suffer it to ferment in the manner before stated

Or, bruse a bushel of picked elderberries, dilute the mass with ten gallons of water, and having boiled it for a few minutes, strain off the juice and squeeze out the husks. Measure the whole quantity of the juice, and to every quart put three quarters of a pound of lump sugar; and, whilst still warm, add to it half a pint of yeast, and fill up the cask with some of the reserved liquor.

When the wine is clear it may be drawn off from the less (which will be in about three months) and bottled for use.

For flavoring the wine, ginger, allspice, or any other aromatic substance may be used : the flavoring meterials may be inclosed in a bag, and snapended in the cosk, and removed when the desired flavor is produced."

The next is from an old work on dome my, and, we believe, is the method e-ticed by the cottagers in England.

"Elder Wise.—To eve and break the fruit th ery quart of juice bon sngar, ewhole ?

The Curculio.

Every person who owns a plum tree, ought to feel an interest in the history of the Curculio, for it has been the chief obstacle to raising plums, apricots, and nectarines, where there were trees. We believe it is not known in Europe, though other species of the same genus there, have their peculiar mode of annoyonee.

Of the benefit of our circular tin troughs, we can say nothing decisive, because they were not applied till after the Curculio had ascended the trees, and we jarred the trees that had those appendages, as well as the others. To the slaughter that we made of this insect in the early part of summer, we ascribe much of the abundance that our trees have yielded; and in confirmation of this opinion, we may mention that a tree in the fruit garden which had been forgotten, bore three apricots, while another young tree of rather less size bore half a bushel; and we know of no other reason for the difference.

Before this summer we had believed that the young Curculio continued in the fruit till it fell, and only escaped from its habitation after it had lain for some time on the ground. Late observations however, have shown that impression to be incorrect. We found both plums and apricots on the trees, from which the insect had taken its departure through a small orifice cut in the side of the fruit.

We have had some emiosity to ascertain the whereabout of the old Curculio, after it had ceased to deposit its nits in the fruit, (which is enid by Judge Darling of New Haven to be early in the seventh month.) We therefore spread a sheet under several plum trees, about the middle of the eighth month; and on jorring them violently, caught several, though in far less number than when we last examined the trees about two months before. Indeed, under some trees where we most expected them, we found none. This failure however, may have been chiefly owing to the hot weather, so favorable to the activity of all insects, and which doubtless enabled them the better to hold on. We hope to repeat the experiment in cooler wenther.

Improved Hogs in Ohio.

Nowhere in the course of our travels have we observed greater need of improvement in swine than in the State of Ohio. For while it is the greatest pork raising State in the Umon, the common breed of hogs is of the very worst description. Our Western New York farmers with their fine Leicesters, Berkshires, Byfields, &c., would be puzzled to find a suitable cognomen for the animals called hogs in Ohio. We are at a loss to conceive from whence they originated; but imagine their form and character has grown out of their uncivilized mode of life; as they seem to be admirably calculated for wood rangers, or for breaking down the large stalks when employed in the field as corn huskers.

A work of reform has begun, however, and the more intelligent farmers have discovered that a saving of about one-half the amount of food may be effected by adopting improved breeds of hogs, and a more economical mode of feeding. Various crosses of the Leicester, Byfield, Bedford, &e.; and thorough bred Berkshires are rapidly multiplying in the State. The latter in particular appear to be in great demand.

MR. MAHARD'S BERKSHIRES-(EAR CINCINNATI.)

This is the most numerous and (perhaps excepting Mr. Allen's) the most beautiful lot of Swine we have ever se n. Mr. Mahard has been careful to obtain superior animals to breed from, and he displays exall at judgment in their management. He has sev-

our eight fine breeding sows; several boars, and a large number of pigs of various ages. With his pre-The state of the s

Boilte

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sent facilities he will soon be able to supply the great demand which exists for these pigs in that region.

Mr. Mahard is the proprietor of one of the large pork slaughtering and packing establishments in Cincinnati, and his experience in that business has given him superior knowledge of the relative value of the different breeds of hogs. The following remarks on this subject were written by him for the Western Former & Gordoner:--

Mr. Editor-You are aware that I am now, and have been ever since 1820, extensively engaged in the pork packing in this city; and I feel that I may without presumption, lay claim to not a little experience in the business. It is fully as much to my interest, and that of every one else engaged in curing pork for market, as the interest of the farmer, that the very best breeds of hogs should be scattered over the country.

When I first entered into the business, the pork brought to us was produced from the same miserable race yet to be found through much the greater part of the West. It yielded us little laid, and the sides were unfit for mess or clear pork-too thin, and only The first improvement we had was the fit for bacon. The first improvement we had was the little chunky China hog-a perfect mass of lardbanis light and too fat—though the waste of offal was trifling. The next we had was the large Warren county hog, requiring years to mature, and then coming to us of enormous weight-great waste of offalthe hams too large and hadly shaped, as was also the shoulder-and the sides, nevertheless of their great size, were thin in proportion. They were still a great improvement. The crosses of these and the great improvement. Russia and By field, in the hands of some of the more russia and by near, in the name of some of the mole judicious breeders, produced a very excellent hog, and we who were the purchasers, were anxious for any improvement on the unprofitable wood hogs usually raised.

Though, as I have remarked, so long engaged in the business of packing, I had paid but little attention to the breeding of hogs, though always keeping a few of the best I could find, on my farm, and improving them to the best of my ability. It was not until some of the part-bird Berkshires were brought to us from Butler and Warren counties, and I was struck with the great improvement they were, on any thing I had vet seen. The perfect manner in which they were lattened—their extraordinary length of body, and the thickness of the side ment-their small, yet thick, fleshy shoulder—the grest weight and handsome form of their hams—the grest yield of lard, and the little waste of offul, either of inside waste, or head and bone, proved to me that they were a something enurrely different and altogether superior to any other breed within my knowledge. On making further enquiry respecting them, I found their equally advantageous to the farmer and diover, as to the pork packer. Prolific and easily kept; maturing early and fattening kindly to as great weights as were desirable; stamping their own character strongly on any other breed with which they might be crossed; and travelling well to any reasonably distant market.

I had before this, been breeding hogs for sale, and seeing at a glance the great advantage it was going to be to me in my packing business, to have such a hog as the Berkshire in general use, I at once engaged in it largely.

True it is that I cannot give up my farm and my attention and capital, to the breeding of fine stock, without a prospect of making money by it; but that was the secondary object I had in view-my porkpacking business was of the first importance to me. I saw and dreaded the efforts that were made to mtroduce an extremely large hog into Kentucky, for 1 had about this time transferred my pork business to that State, and had gone to very great expence in erectir g an extensive establishment back of Covington, and intended making my entire purchases in the State. We can make no use in this market, of animals weighing from 400 to 600 pounds, even though they may be well fatted. A hog of the proper form and quality of meat, that matures at ten or twelve months old, so as to fatten properly, and then weighs from 200 to 300 pounds, is the sort for which we will give the highest price, because it yields us the greatest profit. And most assuredly it will also pay the barmer best. We have no population to supply, that will consume large, coarse, indifferently enred meat. Our principal demand is for city and family use, both here and in the cities of the south and east. The ham is with us the most valuable part of the hog, and the celebrity of those cured in Cin- chess?

einnati is now great. This part must be heavy with out being large-round, thick and plump-the flesh though principally lean, yet marbled with fat. Nex to the ham, the lard and side meat yield us the greater return-the former must be abundant in quantity and fine grained; which never is the case with any hog un til he has somewhat matured; the latter must carry it thickness throughout, having no thin flanky parts and must be fat. And last we rank the shoulder and

Many of the Boston and Richmond dealers, and those from the other cities in the East and South come here annually to have ment packed; they si prefer such a hog as I have described, and will buy a other if they can help it.

For my own part, and for my use for packing, want neither on extravagantly large hog, nor yet very small one. A hog that has to be fed two wi ters, never will pay first cost; if he can be had sufficient s ze without wintering at all, so much the more profit. A spring pig killed in the fall at 20 pounds nett, will evidently pay better than if th same hog had been kept over winter, and reache the second fall 500 pounds nett.

I have been speaking now as a pork-packer, at as a breeder; and what I have said, I say in all sir cerity. I have no desire to injure the business i any other breeder of improved hogs, nor to preven their continuing their improvements to as high point as they please. But I do regret to see gentle men of science and experience going back to a larg coarse hog, such as the Wohnrn, Irish Grazier, C Leicester, when they can procure a breed so infinite ly superior—the improved Berkshire.

JOHN MAHARD, Jr.

Cincinnati, July 5, 1841. From the Farmers' Register.

Disputed Questions in Agriculture. August 2, 1811:

DEAR SIR:—It may perhaps be deemed a very us less, if not presumptuous attempt in any individual suggest any means of settling for ever even a smi portion of those apparently interminable controvers in regard to certain agricultural matters with which our agricultural papers have been and still are oft But the very circumstance of their being co tinued is, I think, a conclusive proof that each disputs believes that they may be brought to a conclusion provided a proper course was pursued for the purper In the hope, therefore, of recommending such course, I will proceed to notice a few of these conti course, I will proceed to notice a in which the que tions that gave rise to them have been treated. has been such, in most instances, as to serve scarce any other purpose than to crowd our books of husbi dry with communications, the authors of which appe far more anxious to put each other in the wrong, th to set the agricultural public right, in regard to subjects of controversy. The effect of most of the articles has been to aggravate the unreasonable pre dices against agricultural works; to perplex grea all young farmers who read for information; and measurably to weary old once, in witnessing sucl waste of words-ettered, professedly, to give lig but, in reality, often making confusion worse c founded. Instead of giving us accurate details of periments, most carefully made, together with the results, which alone can satisfactorily settle st matters, we find, in much of what they write, li else than speculative opinions and theoretical ar ments, or ill-digested and unsound conclusions fr ments, or in-ungested and onesting contrained some some things which they call experiments, but wh are really deficient in all the particulars that it is sential to notice most accurately, before they can entitled to any weight.

This, I think, may truly be offirmed of nearly that I have read of what has been written on the lowing controverted subjects:

Whether vegeto-animal manures should be turn under in their freshest state, or left on the surface the land until it is cultivated?

Which is the most productive variety of Ind Corn in each section of country, where the cli ate, soil, and situation is nearly the same?

At what distances is it best to plant, and by wl modes of culture corn will produce most net profit' Whether it is injurious or beneficial to cut the ro

of corn during its growth? And last, though not least, what is the true op ion in regard to that great "pons as annum" in resulture, the concertibility of wheat into cheat

Now, in my bamble opinion, all those still undeermined questions might have been settled manymny years ago, if those who were most interested in em had taken the trouble to make a few such peretly accurate experiments as any cultivator of his wn or others' land might very easily make; and to ablish the results of the same in our agricultural jourals, instead of the numerous vague speculations and iconclusive statements on the foregoing subjects, with hich these journals have so often been filled. Wheier I am right or wrong in this opinion, let your nders determine, after considering the following ueries to which I respectfully invite their attention. How easy would it have been, in order to settle the st controversy, for all who felt sufficient interest in to desire that it should be settled, to spread vegetonimal manure equally over a small determinate nametry of land, and then, alternately to plough it nder, and leave it on the surface of exactly count ortions of this land, and to compare by accurate mearement, the produce of each portion ?

Would it not have been equally easy to settle the cond controversy, by planting a like determinate cantity of land with as many varieties of Indian rn as the experimentalist wished to compare togeer, giving to each exactly equal portions of the nd, the same distances between the hills and rowa, same number of stalks in a hill, and precisely the me culture; and then accurately to measure the proee of each portion ! To prevent the produce from ing much affected by intermixture, an oblong form is made, and the rows planted across, to the numr, any, of 12 or 15. Then, by comparing an equal mber of the middle rows only, the experiment suld approach sufficiently near absolute accuracy to iaty even the most skeptical.

To ascertain the best distances at which to plant rn in the richest, the poorest, and the medium quay of land, what difficulty would there be in trying such as are most approved by practical men, on an ertained quantity of land of either of the foregoing ulities, giving to each distance exactly the same ed portion, and then measuring accurately the proce of each portion, as in the other experiments?

With a view to ascertain the best modes of culture, it possibly be satisfactorily done without comparthem at the same time, on exactly equal portions land which is the same in soil, fertility, and situan; and can there be any great difficulty, expense, ong our numerous writers on the subject has ever orted any such experiment? This, if it ever had in properly made, would have settled for ever, wher it benefits or injures corn to cut the roots, since they will be, more or less, by every mode of cule which has ever yet been tried. If the portion and on which fewest roots had been cut produced most corn, and that portion yielded the least ere the root-cutting had been greatest, then surely first mode of culture would be preferred by every ly, but the obstinate fools who have no better reafor any thing they do, than that they have always ie tae same.

With respect to the cheat or chess controversy, n almost afraid to open my lips, for most of our thren who maintain that cheat is the produce of eat, seem to have worked themselves up into such poleric and bellicose humor on the subject, against who maintain the negative in this matter, that it quite a persiona thing to offer any argument in supt of our opinions. I will therefore content myself b only asking a few simple questions. Is it among unknowable things of this world to ascertain the th in regard to this controversy? If it is, why uld another word be ever said or written about it t is not, can any one oblige me so far as to name ngle experiment, among all which have been so ed and stated as proofs that wheat will turn to at, which is not most palpably defective in several ential particulars? I can truly say that I have ver seen even a solitary one, but that which was de in 1833 by Messrs. Thomas and William J. cke and yourself. This is to be found in the first ume of your Register, on the 83d and 84th pages; I to my mind is most conclusive proof that for eat to produce cheat, is quite as great an impossibil-as for "thorns to yield grapes," or for thistles to duce figs. I will further ask, if any experiment de with less particularity and accuracy than the iust referred to, ought to be regarded, even in the thtest degree, as contributing towards settling this long agitated controversy, or indeed, suld be entitled to a place in any of our agriculturpapers ? None, I think, who teally deaire to come

at the truth in this matter could reasonably object to the editors of these papers requiring equal or even greater accuracy and minuteness of the experiments which they may be required to report for either of the parties concerned. If the zeal of those who maintain the alliamative in this controversy, be not sufficient when stimulated by the hope of victory, to impel them to take the trouble of making such experiments as have just been suggested, I would beg leave hereby to call their attention to your pledge-made a few months ago, to pay one hundred dollars-not "in rags, but in good lawful money, to any one who can prove by similar experiments, well authenticated in all their particulars, that he has succeeded in converting wheat into cheat.

I could mention several other subjects upon which much difference of opinion has been expressed, for many years past, and which still occasionally appear in our agricultural papers. Serving no other purpose than to show the great disproportion in number between the multitude who prefer writing out and pubhalling their conjectures on these topics, and the few who choose the less easy, but more troublesome road of accurate experiments to solve their doubts. until this be generally done in regard to all mattera which can be settled by the experimental process, the readers of our agricultural journals, (good as I admit most of them to be) will have to pay for much that affords them little, if any satisfactory information. If "action, action, action," be essential to form the finished orator, I would say that-experiments, experiments, accurate experiments are equally, may, more important, to form the complete farmer. I remain, dear sir, yours very sincerely

JAMES M. GARNETT.

From the New England Farmer.

Hay Seed upon Inverted Sod.

Many of our moist lands upon our dry uplands and the bog-meadows, though natural to grass, occasionally need renevating. As long as a common topdressing will call a good crop, nothing more should be done than to apply the manure on the surface. But when the better grasses have run out, and when moss begins to collect upon the surface, it is necessary to plough such land. But where the plough will do its work tolerably well, it is not necessary to plant. These lands which are wet and heavy in the early part of the season, and which bake in the scorching months of July and August, are not prefitable for tillage .-They may yield a crop of potatoes, and possibly of corn, but the chances for this are small, and it is usuually bad working these wet spots in the early part of the season. The best way to treat them is, to turn the land over as soon as it can conveniently be done after the crop of hay has been removed; to plough in such direction that the dead furrows shall come in suitable places for surface drains, to roll well; and then put on a dressing of compost. When this has been done, sow hay-seed and harrow theroughly. Then use the roller again, and the next season you may obtain a fair crop of hay, and the following year you probably will get a heary burthen. Herds grass is better for these moist grounds than clover or red-No one who has been acustomed to this process will ever think of tilling any wet lands that can be laid ever smooth by the plough.

The process here recommended has been repeatedly urged upon our farmers, by Mr. Buckminster, editor of the Boston Cultivator; and as far as he has influenced them to comply with he advice in this matter, he has rendered them good service.

This is the proper senson of the year for working all low lands, and it is by attention to them, that our farmers generally must hope to thrive. They repay the labor and expense bestewed upon them better than most of the high grounds.

Cactus Triangularis.

The Charlestown Courier says, we were among the gratified beholders of the magnificent and numerbloom of this rare plant, at Mr. L. B. Baker's, อนร on Wednesday night last. The plant is in a state of most luxuriant vegetation, growing in a box containing rocks, superficially covered with sand, and of course deriving its nourishment chiefly from the atmosphere. When we saw it, thirteen magnificent flowers, gigantic in size, yet graceful in form and exquiaite in beauty, simultaneously expanded their petals to delight the eye, while at a little distance a pleasant fragrance was diffused. The evening before, seven flowers, on the same plant, had commenced and closed their ephenieral bloom. We carried port be curtailed by the loss away one of those rich blossoms of night, kindly pre-

scuted to us by their proprietor, and found to our agreeable surprise that, by depositing it in a jar of water, its existence was prolonged, and it bloomed belle of the rosy more as well as the curtained night. The bloom of this plant is one of nature's mysterics -floral beauty the most rare and exquisite, destined only to hang on the brow of night, like a rich jewel in the Ethiop's ear, and to close its petals in early and lovely death as andnight tolls its knell-dependent too wholly on human aid to prevent it from being born to blush unseen and waste its sweetness on the desert nir.

A fine specimen of this beautiful Cactus owned by Mr. Otis Everett, jr., which opened its blossoms on Wednesday last, and was witnessed by many of his friends, all of whom speak in the highest terms of its beauty and fragrance. The flower is very large, of n pure white, with 60 outer and 18 inner petals 6 melies in length. It commenced opening at 4 P. M. was half open at 7, fully expanded at 10, and closed next morning at 7 o'clock. This plant came from the interior of the island of Cuba. Truly is it said the interior of the island of Cuba. Truly is it said that this is one of "nature's mysteries."—Boston -Boston Transcrint.

The Pear Tree.

We are told that many persons are afraid to plant pear trees lest they should die with the fire-blight; that they have done their best to save the trees, but all to no purpose; and that they now settle down in despair. In reply to this melancholy account however, we can repeat the assurance that we have not lost a single tree by the fire-blight in twenty years. It has been in our fruit garden several times, but always scemed to walk out again as fast as we did; for we cut off the injured branches without delay and burnt them immediately,-destroying as we believed, the whole colony of insects that had committed the depredation

As soon as the leaves begin to blacken on the branches, for two feet or more near their extremities, let the owner waken up at once, lay aside all other business, and preceed with as much zeal to the task as he would drive the pigs from his garden. We are satisfied it is the putting off till a more convenient season in such cases, that proves so fatal to the pear tree. The stable door may be locked when the horse ia stolen; and the limb may be cut eff when the insects are gone to another part of the tree. Did you cut off the limb below where it was dead, say a foot or more? "No-we only cut off the dead part"-leaving the insect at work below. Did you burn it when it was cut off? "Why-no-we left it under the tree"--for the insect (if there) to go up again at his leisure.

Culture of Silk.

It is indeed "an ill wind that blows nobody good." The subsidence of the mulberry speculation is followed by cheering attention to the manufacture of silk. The immense quantity of trees lately propagated for speculation, essentially aids these whe new embark with a view of pursuing the Silk Culture as a steady business. The vice of speculation is thus rendered tribntary to honest industry; and we confidently predict that the crep of silk, in three or four years, will prove that, whatever evila may have deluged the country through the speculating mania, the "mulberry fever" is followed by healthy and efficient action in the great cause of rendering our country independent of toreign nations for an ample supply of Silk.

We congratulate thousands of thrifty farmers upon the pleasant and profitable employment which the silk business affords to the females and children in their families-affording means and inducements fer industry that may essentially serve these families throughout life-promoting comfort and independence, and vielding returns that would guard against pecuniary distress, should the ordinary means of support be curtailed by the less of husband or father, or

A Visit to Brockport and Clarkson.

In the early part of September, we took a ride to Brockport, in company with L. B. LANGWORTHY, Esq. and Mr. Joseph Allery, with the intention of viewing the farm and silk cocoonery of Mr. George Allen. and visiting a number of the good farmers in Sweden and Clarkson. Owing to the excessive warmth of the weather, and some indisposition on our part, we did not accomplish as much as we intended; still, we saw much that was highly interesting to us, and some account of which may gratify our readers.

Mr. Allen's Farm

Is situated on the south east side, and within the corpotate limits of the village of Brockport. It consists of 86 acres, embracing a great variety of surface and kinds of soil, now under good cultivation, but originally quite rough and some parts so wet and boggy as to be utterly useless. The improvements which Mr. Allen has effected, are quite surprising, and reflect great credit on his skill and enterprise. His system

Under-Draining and Stock Watering Is very perfect, and worthy of imitation. He has made about 80 rods of under-drain, by mesns of which he has not only reclaimed several acres of valuable land an I beautified his premises, but by placing reservoirs in the drains, and putting down conducting logs, he has obtained an abundant and never failing supply of pure water, at his yard and buildings. In constructing drains, Mr. Allen has adopted several modes, according to the nature of the soil or other circumstances. Where the soil was firm, and the materials at command, the drain was formed of loose stones, first covered with turf, then with earth. At other places it was formed by nailing two narrow boards together, like a trough, placing it with the angle downwards for the bottom of the drain, then putting small sticks across and covering it with another board, so as to leave a crevice for the water to enter under the cover: the whole surrounded with broken charcoal to facilitate filtration and preserve the hoards from decay .-Another method, and to us a novel one, was practiced where the sub-soil was quicksand, and where a board or stone drain would soon fill up: he went to the woods and cut beech brush, consisting of branches one inch or less in diameter, with the spray on, which he tied up in small bundles or faggots, eight or ten inches in diameter; these he placed lapping each other in a low in the bottom of the drain, having first laid down a bed of straw. The faggots are then firmly surrounded and covered with straw, and on this is thrown the turf and rubbish, then earth or sand, the whole firmly pressed down. How long such drains will endure without decaying or filling up with quick-

pose admirably, and certainly are not very expensive. Silk and Mulberry operations,

Mr. Allen is also large'y engaged in

As our readers are already aware, by his communication which we published last month, and to which we now refer for an account of his cocoonery, &c., in order to prevent repetition. We were somewhat disappointed in the appearance of the cocoonery, having expected to see a better finished building and more expensive fixtures; but as it is, it goes to prove one important fact, namely, that large expenditure of monev is not necessary for a commencement. Owing to a want of experience, and some mismanagement, Mr. Allen was not very successful with his early crop of worms; but the later hatchings, of which he has an minense number now feeding, appear very promising. Some were beginning to spin when we were there. The cocoonery is fitted up with Morris' Frames, which undoubtedly combine more advantages than Allen is so well convinced of their utility, that he has liceted common stock.

become joint proprietor with Mr. Morris for the right of all the districts of Western New York lying west of the Genesee River.

The mulberry plantations and nurseries of Mr. Allen far exceeded our expectations. He had no estimate of the exact number of trees, but thinks there is over 200,000. They embrace the M. alba, M. multicaulis, and several other varieties. Mr. Allen has collected a vast fund of information on the subject of silk culture, and appears to take pleasure in communicating it to

The Farm of Mr. S. D. Baldwin

Was the next place we visited. It consists of 190 neres of very superior land, only half a mile from the village of Brockport, on the south west side. Mr. Buldwin is very successful in the culture of wheat, Indian corn, and other ordinary crops; but what most attracted our attention was 17 acres of broom corn .-This was of an unusually fine growth, very tall and thick, and being just in full bead, it presented a most luxuriant spectacle. Mr. B, has long been in the practice of raising broom corn, and making brooms. It affords profitable employment for the winter months, We found another somewhat unusual crop on this farm, but we doubt whether the owner deserves much credit for it, although it looked very promising, for it was nothing but weeds-yes, and the vilest of all weeds-Tobacco! Mr. B. is quite confident that this crop can be raised with advantage on his land; but we shall not be surprised nor sorry if he is disappoint ed when he brings it to market.

In horticulture, Mr. Baldwin is sadly deficient; but we think he must be something of an amateur in flloriculture, for we observed many curious if not rare plants in his flower garden in front of the house; such for instance as Phytolacca decandra, (Poke weed,) Rumex sunguinea, (Dock,) Chenopodium rhombifolium, (Pig weed,) &c. &c.

After we had partaken of the hospitalities of his table, Mr. Baldwin conveyed us to Clarkson, where we took a stroll over the large and beautiful

Farm of Dr. Abel Baldwin.

His land extends from the Ridge Road to more than a mile in extent on the plain below. The soil is generally good, though much of it is rather heavy, formerly produced large crops of wheat, but Doct. B. says it has lost much of its wheat growing properties, and he now intends to try the effects of lime and deep ploughing. If he can obtain a good subsoil plough, he promises to give it a trial. He is doing considerable at under-draining, and says he has observed that the heaviest wheat is produced where the earth has been thrown out in making drains; an argument which we have before adduced in favor of deep ploughsand, we cannot tell, but they seem to answer the puring on such lands. Dr. B. keeps a large number of cattle, and cuts much grass. On his largest meadows he has adopted a system of

Irrigation

Which he finds of great advantage particularly in dry seasons like the past. A stream formed by a wastewier in the canal, runs through his farm, and when required a portion of the water is conducted on to this meadow in such a manner as to submerge nearly the whole surface; from which it is again conducted when necessary by opening several drains. We wonder that irrigation is not more practiced in this country, especially in places such as we often see, where it could be done with trilling expense. In England, notwithstanding the moisture of the climate, irrigation is much practiced and found to be of great ad-

Dr. Baldwin has a fine collection of cattle consisting both of improved and common breeds. A lat of steers and grade heifers struck us as being very beautiful. any other contrivance for feeding silk worms. Mr. His cows are also very fine, both of improved and se-

Disease Among Calves == Inquiry.

Dr. Baldwin informed us that in the month of August he lost twelve very fine calves about three months old, by a strange kind of epidemic that attacked them: the cause and cure of which neither he nor his neighbors understood. The calves were very large and thrifty; all sucked the cows, and gave no evidence of ill health till they suddenly became dumpy, refused to suck, and in 24 hours died. On removing the skin large black spots were seen on the body; and on examination the second stomach was found to be dry and hard. We presume some of our readers can throw light on this subject, and hope they will do so. A Large Grape Vine.

In his fruit garden Dr. Baldwin has the largest and most productive grape vine we have ever seen in this country. It is an American variety called Winne, resembling the Isabella. The branches run along a trellis and over the tops of several fruit trees, covering a space we should judge, of at least forty feet square. We tried to make an estimate of the number of clusters of fruit but time and our patience failed us. Ws guessed there were about 3000; they are not as large us the foreign varieties.

Lime as a Manure.

Lime has been considered the foundation of all good husbandry; for where it is not found naturally in the soil in sufficient abundance, it has generally been the task of the good husbandman to supply the deficiency. It may be doubted however, whether lime is the only mineral capable of rendering soils perpetually fertile. The black snady prairies of the Western States seem to furnish an exception. We have formorly stated our views on this subject, and now repest them in the hope of inducing some able chemist to furnish an accurate analysis.

Much of the prairie on the east side of the Wahash river, which includes the town of Vincennes, was a common when we visited that place in 1816; and had probably been in that condition for more than a century. In many places, it was entirely bare-in others covered by coarse grass or perennial weeds; but wherever it was cultivated, the vegetation was most luxuriant. The soil appears nearly black, but glistening in the sun. This reflection is from the white sand which constitutes a large proportion, while the dark color is derived from the finely divided matter. On treating it with diluted muriatic acid, we discovered no effervescence, and concluded it contained no carbonate of lime. When burnt, it was scarcely diminished in quantity, showing it contained but little cathon or vegetable matter. By this process, however, it was changed from black to a reddish cast; and we inferred that the fertilizing principle was a mineral, and probably a sulphuret, but our examination extended no

These tracts however, form but a very small proportion of the country; and we recur to lime as the general fertalizer. We intend not indeed to discuss the subject at large, but simply to point to errors that agriculturists have sometimes adopted.

Lime should always be applied in the form of powder; and it matters not whether the reduction of the stone to this state, be performed by grinding or burning; but the latter method being the easier, has been generally adopted. It is true there is a great difference between the comminuted stone and quick lime, just slacked . but the latter when spread out on the ground becomes carbonated so speedily, that both have the same effect, as manures. A solution of quick lime is of no particular use in agriculture; an intimate intermixture with the soil is the principal thing; and to prevent its becoming clotted, a most useful precau-

To grand magnesian limestone, if practicable, would

no far preferable to burning it; because in that case, neither the lime nor the magnesia would be caustic. When it is burnt, however, the bad effects of the caustic magnesia (hot lime) may be avoided by sentering t in powder, over meadows or pastures at least one ammer before they are to be broken up. Falling un mags the decaying blades of grass, which omit arbonne acid, the magnesa imbibes it and becomes nild, which it would fail to do on a bare sod, as it attacts that acid more feebly than hime, and the latter of course, must be always served first.

Lime loses none of its qualities as a manure by old go or exposure to the weather. Hence the refuse hat collects round lime-kins, is well adapted to the armer's use, and the value of the mass will be regularly by the freedom from small stones and other imparies. On the same principle, the plaster from old alls and ceilings, should never be thrown into the nad: but broken up with a pounder, and applied to the garden, the field, or the meadow. It is a valuable manure, and more especially for heavy soils.

Blossom Buds perishing in Winter.

A correspondent wishes to know why the blossom uls of the peach and apricot perish in winter? and so, if there is any way to prevent such loss?

A flowing of the sap late in autuun, or in winter, flowed by intense cold, has long been considered as e cause of this damage; and we have no doubt of a being the true cause; for those buds can endure a ry low temperature, if they are not started by unasonable warmth. We have no knowledge that they we ever been killed in this condition, by the severest id of this climate—perhaps ten or fifteen degrees bever ero; and in the clevated region between the squehanna and the Delaware, they have probably lured a depression of ten degrees more. Our coldwinters, when not interrupted by thaws, have nerally, if not always, been succeeded by fruitful seans.

In the winter of 1831-2, the snow drifted around a chetree in our fruit garden, so that one low limb a entirely buried. This rough weather was sueded by a thaw soon after New Years, and the thaw intense cold. Peaches were very scarce in the folioning season. The highest limbs—the very tops—which the reflected heat from the ground could reely reach—had a few, while the limb which was ied in the snow, was loaded down with fruit.

The same effect was produced on a limb that rested the roof of a building, and was covered up in a drift. a warm winds that started the other buds, passed r without touching, and left it torpid.

In blenk northern aspects, we believe the peach is generally productive in this climate; and we lain the following cases on the same principle:

I many years, we resided in a wide valley bounded two sides by high hills. In the valley, the peach an uncertain crop; but on the hills it rarely fails A careful observer who lived in a more sheltered by of the same district, assured us that the peach with them was unfruitful as often as six years out even. In vallies, the temperature is more variable to on the hills—warmer at one time and colder at ther; for it has been ascertained that in severe but a weather, the cold air settles down in the lowest rese.

ast winter was milder than usual; and yet we had a shrubs more injured than in seasons of intense l. It appears that in these shrubs the sap had start and the sharp frosts that followed were destructed a part of their branches. Amongst'these, were Purple Fringe tree, and the Pyracantha; out Fonsia philtyroides, from Syria, more tender than or, escaped without any injury, and is now prodused for the first time.

The Antworp Raspberry may also be mentioned, which with us is generally hardy; but at Marietta, in Ohio, more than three degrees further south, "it requires to be laid down every autumn," says Doctor Hildreth, "and covered with earth or straw to protect it from the freezing and thaving of our variable winters. Plants which stand under the morth side of a frace or a haidling, bear the winter in a manner unharmed. This is also the case with the Madeira grape vine, and Grevillo rose, both of which are killed if exposed to the mid-day sun of winter, but live uninjured if grown in a northern shaded exposure."*

Treading down the snow so as to accumulate a compact mass round the tree, and then covering it with straw, has been found useful. We have seen an apple retarded in its vegetation for a fortaight in the spring, by piling wood round it; but the weather bere is so variable and uncertain, that what was useful in one season, may be uscless in another.

Importance of Color .- Painting Wagons, &c. The importance of dark and light surfaces, is, we believe, but little appreciated in an economical point of view. The difference between rough or darkened, and polished metalic surfaces, in absorbing and radiating heat, is familiar to every student in chemistry. A housewife would be considered ignorant, who did not know that bread would bake more rapidly on an old or blackened metalic dish, than on a new or bright one; that water cools more slewly in a bright tea-pet, than in any other; that a stove pipe of Russia iron hents a room less than a pipe of common or rough iron; that water can scarcely be made to boil in a new tin vessel, with a charcoal fire, until its bottom becomes blackened with smoke ; -all of which plainly show the rapid absorption and radiation of heat by rough and blackened surfaces, and the reverse by bright or reflecting ones.

The influence of color alone, on absorption, is most strikingly exhibited in case of solar heat. Bodies of a black color, are found soon to become heated in the sun, while white ones are scarcely affected. This important fact should be borne in mind, in the preservation, by paint, of all implements or machines of whatever kind, which may be injured by the action of the sun's rays. Wagons and carriages, especially, which during use must necessarily be more or less exposed, should always be of some light color. A carringe of a light yellow or ash color, is almost inconceivably less heated, cracked, and warped, than one of a dark brown or black. And however unfashionable such light colors may be, we have no doubt that if vehiceles generally, were painted with such, that many thousands of dollars would be saved annually, by preventing one of the most powerful causes of weakness and decay in these costly appendages to every man's domestic establishment.

A Visit to Wm. C. Cornell's

We made a visit some days ago to the farm of our friend Cornell in the south part of the town of Henrictts, about seven miles from this city. Mr. C. was formerly a merchant in the city of New-York, but his business not being favorable to his health he left the city and turned his attention to farming. In selecting a location we think he manifested good judgment as well as taste; and in the arrangement and general management of his farm we see good evidence that the systematic mind of the merchant is no disadvantage to the farmer. The dwelling house is in good keeping with the farm; every thing within and around giving an air of comfort and refinement. Mrs. C. although brought up in the city appears to be quite at home, and well contented with a country life. We could discover nothing wanting except a better garden, to

* Hovey's Wagazine of Harticulture, for December, 1841.

make the place all that any reasonable man could wish. The farm consists of 100 acres of excellent land, beautifully undulating, and well watered with springs. It is divided off into 8 or 10 small fields, and all well cultivated. Mr. C. is very successful in raising whent, and his practice is somewhat peculiar. He has promised to furnish our readers an account of his experience in this business, and also in raising Indian corn, of which we saw a remarkably fine field. We advised him to offer his corn crop in competition for the county premium, and if he does so we think he will gain it.

In farm stock Mr. Cornell has a very choice, though not very large collection, embracing the most approved breeds of cattle sheep and swine—Here we see the true system exemplified—a small fields highly cultivated, with a limited amount of stock of the best broeds. This is what we call orthodox farming. The sheep in particular, struck us as being very superior. He has nearly one hundred head, part pure Cotswold, and the others 3th or 3ths blood, crossed with the Leicester. We regiot that Mr. C. did not make arrangements to take his thorough bred sheep to the Fair at Syracuse, but the distance, and the difficulty of procuring a boat to take them prevented. He is fully convinced that the Cotswold sheep are the most profitable breed for our farmers.

By an advertisement on our last page it will be seen that Mr. Cornell offers to dispose of part of his stock, and we advise those in this region who wish to putchase to go and see them.

Crops in South Venice in 1841.

WHEAT.—This crop is not us good as last season. It hink it cannot be called more than half of an average yield; the berry is fine however. Many fields of wheat were nearly destroyed by the Stein Crout, (Red Root) which is making ruinous inroads upon us. Spring wheat was but little sown this year, and did not turn out well.

GRASS.—More gross was cut in this town this year, I think, than lest. The rain in May gave the meadows such a start as to prevent the subsequent drouth from seriously effecting the crop.

Conn looks very good, considering the season. The dry weather however has so affected it that our farmers will not probably have more than enough fir their own consumption; consequently the price must be high.

PEAS.—This crop is very good—better than last scason. A larger quantity than usual were sown this year—Many farmers prefer them to corn for fattening nork.

Oats have done well this year-I think they will yield better than last season.

BARLY is good, what little was sown.

BUCKWHEAT was but little sown, but looks well-will be a good crop if not injured by frost.

FLAX.—The cultivation of this crop is nearly abandoned, owing to the labor required in manufacturing the cloth. What little was sown looks very well.

POTATOES were much injured by the drouth, and will not yield well, however there will be enough for our own consumption.

Root Crops generally will fall much below an average yield; but are not very extensively raised hero.

Faurt is very plenty, save peaches. I think there is more fruit than last year. On the whole I think the crops in this region are as good as in any other part of Western New-York; and we have abundant reason for gratitude to Him who has given us these accessaries and comforts of life.

Respectfully yours,
W. S. TUPPER.
South Venice, Canuga Co., Sept. 11, 1344.

On the Moisture of the Soil .-- Watering.

We presume that almost every cultivator of the soil in this country, has, during the past season, felt the need of more knowledge respecting the operation and effects of moisture on vegetation. It is a subject which every farmer and gardener should fully understand; we therefore bring it before the minds of our readers while they realize its importance. The following article is from "Lindley's Theory of Horticulture, with notes by A. J. Downing and Dr. Gray"-It is not long-read it carefully.

It has already been shown that water is one of the most important elements in the food of plants, partly from their having the power of decomposing it, and partly because it is the vehicle through which the soluble matters found in the cauth are conveyed into the general spstem of vegetation. Its impertance depends however, essentially upon its quantity.

We know, on the one hand, that plants will not live in soil which, without being chemically dry, contains so little moisture as to appear dry; and on the other hand an excess of moisture is, in many cases, equally prejudicial. The great points to determine are, the amount which is most congeniel to a given species under given circumstances, and the periods of growth when water should be applied or withheld.

When a plant is at rest, that is to say, in the winter of northern countries and the dry season of the tropics, but a small supply of water is required by the soil, because at that time the stems loce but little by perspiration, and consequently the roots demand but little food; nevertheless, some terrestrict moisture is required by plants with perronial stems, even in their season of rest, because it is necessary that their system should, at that time, Ie replenished with food against the renewal of active vegetation: hence, when trees are taken out of the carth in an umn, and allowed to remain exposed to a dry air all the winter, they either perish or are greatly enfeebled. If, on the other hand, the soil on which they stand is filled with moisture, their system is distended with aqueous matter at a time when it cannot be decomposed or thrown off, and the plant either becomes unnaturally susceptible of the influence of cold in rigorous elimates, or is driven prematurely into growth, when its new parts perish from the unfavorable state of the air in which they are then developed. The most suitable condition of the soil, at the period of vegetable rest, seems to be that in which no more aqueous matter is contained than results from the capillary attruction of the earthy particles.

Nevertheless, there are exceptions to this, in the ease of aquatic and marsh plants, whose peculiar constitution enables them to bear with impunity, during their winter, an immersion in water; and in that of many kinds of bulls, which, during their sesson of rest, are exposed to excessive heat. The latter plants are, however, constructed in a peculiar manner; their roots are annual, and perish at the same time as the leaves, when the absorbent organs are all lost, so that the bulb cannot be supposed to require any supply of moisture, inasmuch as it possesses no means of taking it up, even if it existed in the soil. This will be again

adverted to in a future chapter.

It is when plants are in a state of growth that an abundant supply of moisture is required in the earth. As soon as young leaves spront forth, perspiration commences and a powerful absorption must take place by the roots, the younger the leaves are the more rapid the perspiratory action; their whole epidermis must, at that time, be highly sensible to the stimulating power of light; but as they grow older their cutiele hardens, the stomates be-come the only apertures through which vapor can fly off, and by degrees even these apertures are either choked np, or have a diminished irritability. As a general rule, therefore, we are authorized to conclude that the ground should be abundantly supplied with moisture when plants first begin to grow, and that the quantity should be diminished as the organization of a plant becomes completed. There are, however, some especial cases which appear to be exceptional, in consequence of the unnatural state in which we require plants to be preserved for our own peculiar purposes. One of the effects of an extengive supply of moisture is to keep all the newly formed parts of a plant tender and succulent, and therefore such a constant supply is desirable when the leaves of plants are to be sent to table, as in the case of spinach, lettness, and other eleraceous annuals. Another

be: thus we find market gardeners deluging their strawberry plants with water while the fruit is swelling, in order to assist in that, to them, important operation. While, however, in this case, the size of the fruit is increased by a copious supply of water to the earth, its flavor is, in proportion dimmished; for, in consequence of the rapidity with which the strawberry ripens, and perhaps the obstruction of light by its leaves, the excess of aqueous matter taken into the system cannot be decomposed, and formed into those products which give flavor to fruit; but it must necessarily remain in an unaltered condition.

It is for the reason just given, that the quantity of water in the soil should be diminished when succulent fruit is ripening; we see this happen in nature, all ever the world, and there can be no doubt of its being of great importance. Not only is the quality of such fruit impaired by a vet soil, as has just been shown, but because of its low perspiratory power the fruit will burst from excess of moisture, as occurs to the plum and grape in wet seasons. The melon, although an apparent exception to this rule, is not really so; that truit acquires its highest excellence in countries where the roots are always immersed in water, as in the floating islands of Cachmere, the irrigated fields of Persia, and the springy river beds of India. But it is to be remembered that the leaves of this plant have an enormous respiratory power, arising partly from their large surface, and partly from the thinness and consequent permeability of their tissue, so that they require a greater supply of fluid than most others; and, in the next place, the heat and bright light of such countries are capable of decomposing and altering the fluids of the fruit with a degree of rapidity and force to which we here can have no parallel. In this country the melon does not suceved if its roots are immersed in water, as I ascertained some years ago in the griden of the Horticul tural Society, by repeated experiments. Melons were planted in earth placed on a tank of water, into which their roots quickly made their way; they grew in a curvilmear from hot-house, and were trained near to the glass, and consequently were exposed to all the light and heat that can be obtained in this country .-They grew vigorously and produced their trun, but it was not of such good quanty as it would have been had the supply of water to the roots been less copious. Thus, in the tropics the quantity of rain that falls in a short time is enormous: and plants are forced by it into a rapid and powerful vegetation, which is acted upon by a light and temperature bright aid high in proportion, the result of which is the most perfect organization of which the plants are susceptible: but, if the same quantity of water were given to the same plants at similar periods in this country, a disorganization of their tissue would be the result, in consequence of the absence of solar light in sufficient quntity.

The effect of continuing to make plants grow in a soil more wet than suns them is well known to be not only a production of leaves and ill-formed shoots, instead of flowers and fruit, but if the water is in great excess, of a general yellownes of appearance, owing, as some chemists think, to the destruction by the water, of a blue matter which, by its mixture with yellow, forms the ordinary verdure of vegitation. If this condition is prolonged, the vegitable tissue enters into a state of decomposition, and death ensues. In some cases the joints of the stem separate, in others the plant rots off at the ground, and all such results are increased in proportion to the weakness of light, and the lowness of temperature. De Candolle considers that the collection of stagnant water about the neck of plants prevents the five access of the oxygen of the air to the roots; but it seems to me that much more mischief is produced by the coldness of the soil m which water is allowed to accumulate. It seems also probable that the extrication of carburetted by drogen gas is one cause of the mjury sustained by plants whose roots are surrounded by stagnant water; but upon this point we want much more satisfactory evidence than we yet possess.

It is because of the danger of allowing any accumulation of water about the roots of plants that dramage is so very important. In very bibulous soils this contrivance is unnecessary; but in all those which are tenacious or which, from their low situation, do not permit superfluous water to filter away freely, such a preesution is indispensable. No person has ever seen good fruit produced by trees growing in lands imperfectly drained; and all experienced gardeners must be acquainted with eaces where wet unproductive borders have been rendered fruitful by contrivances which are effect is, to render all parts naturally disposed to be only valuable because of their efficiency in regulating for the best of their efficiency in regulating for efficient their different parts and we do not besitted succeeding the parts and the different parts and we do not besitted succeeding the parts and the parts and we do not best design and the parts and the parts and we do not besitted the parts and we do not besitted the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and we do not best design and the parts and the parts and the parts and the parts and we do not best design and the parts and the parts

(ii) speaks of the utility of mixing stones in great quantities with the soil, "as they prevent the accumu-lation of water in very wet weather, and retain sufficient moisture for the purpose of the plant in dry seaand when we hear of such precautions as sons;" and, when we hear of such precutions as are detailed in the following good account of preparing a vine border we only learn how important it is to provide effectually for the removal of superfluous weter from around the roots, and how useless a waste of money is that which is expended in forming deep rich beds of earth.

"In preparing a vine border," says Mr. Griffin, of Woodhall, a successful grower of grapes, "one foot in depth of the mould from the survace is cleared out from the whole space; a main drain is then sunk parallel to the house, at the extremity of the border, me foot lower than the bottom of the border; into thus, smaller drains are carried diagonally from the bouse across the border. The drains are filled with stone. The cross drains keep the whole bottom quite dry; but if the subsoil be gravel, chalk, or stone, they will not be necessary. The dramage being complete, the whole bottom is covered with brick, stone, or lime rubbish, about six inches thick, and on this is laid the compost for the vines." (Hort. Trans. iv. 100.)
The practice of placing large quantities of potsberds

or broken tiles at the bottom of tubs, or pots or other vessels in which plants are rooted, is only another exemphilication of the great necessity of attending to the due humidity of the soil, and the prevention of staguant water collecting about the roots; and the injury committed by worms, upon the roots of plants in pots, is chiefly produced by these creatures reducing the earth to a plastic state, and drugging it among the potellierds so as to stop up the possage between them and destroy the drainage."

One of the means of guarding the earth agianst an access on the one hand, and a loss on the other, of too much water, is by poving the ground with tiles or stones; and the advantage of this method have been much insisted upon. But it is certain that, in cold summers at least, such a panement prevents the soil from acquiring the necessary amount of bottom heat; and it is probable that, what with this effect, and the obstruction of a free communication between the atmosphere and the roots of a plant, the practice is disadvantageous rather than the reverse.

More commonly recourse is had to the operation of simple watering, for the purpose of maintaining the earth at a due state of humidity, and to render plants more vigorous than they otherwise would be; an indispensable operation in hot houses, but of less moment in the open air. It is indeed doubtful whether, in the latter case, it is not often more productive of disadvantage than of real service to plants. plants are watered naturally, the whole air is saturated with humidity at the same time as the soil is pencus. ted by the rain ; and in this case the aqueous partieler mingled with the earth are very gradually introduced into the circulating system; for the mosture of the sir presents a rapid prespiration. This operation is an presents a rapid prespiration. This operation is usually performed in hot dry weather, and must neces sarily be very limited in its effects; it can have little if any influence upon the atmosphere: then, the parched air robs the leaves rapidly of their moisture o long as the latter is abundant; the roots are sad denly and violently excited, and after a short time the exerting cause is suddenly withdrawn by the momentary supply of water being cut off by evaporation and by filtration through the bibulous substances o Then again, the rapic which soil usually consists. evaporation from the soil in dry weather has the effect of lowering the temperature of the carth, and this has been before shown to be injurious (p. 113;) such a lowering, from such a cause, does not take place when plants are refreshed by showers, because at the time the dampness of the air prevents evaporation from the soil, just as it prevents prespiration from the leaves. Moreover, in still soils the dashing of water upon the surface has after a little while the effec of "puddling" the ground and rendering it impervious, so that the descent of water to the roots is impeded, whither it is communicated artificially or by the all of rain. * It is, therefore, doubtful whether arti-

earth is solden with water, the plant soners and soon per-ishes. A. J. D. I. I. No error is more common in this country than surface watering newly transplanted trees; and we do not hesistate to them that full one half the failures, in our dry summers

^{*!} Glazed flower-pots are totally unfit for most plants, ex-*[Glazed flower-pots are lotally funit for moss pane-ept with the most cureful attention to drainage, and even hen they are much inferior to common unglazed ones. The ever permit the excess of water to escape through their then mey are more interest to common agrant to the portion their portions sides, which is impossible in the glazed pet; if which, if the sperture at the bottom become stopped, the arrh is solden with water, the plant suffers and soon per-

ial watering of plants in the open air is advanta ous, unless in particular cases; and most a-curedly, it is done at all, it ought to be much more comons in is usual. It is chiefly in the case of normal crops at watering artificially is really important; and with em, if any means of occasionally deluging ground n be devised, by means of sluices or otherwise, in e same way as we water meadows, it may be expec-it to be advantageous." Mildew, which is so often odneed by a dry air acting upon a deliente surface vegitable tissue, is completely prevented in annuals very abundant watering. † The ravages of the trytis effusa, which attacks spinach; of acrosporium onilioides, which is found on the onion; and the ildew of the pea, caused by the ravages of crysiphe mmunis, may all be stopped, or prevented, by abunint watering in dry weather. Mr. Knight first apied this fact to the securing a late crop of peas for e table in the following manner:-

The ground is dug in the usual way, and the spaces hich will be occupied by the future rows are well aked with water. The mould upon each side is en collected, so as to form tidges seven or eight ches above the previous level of the ground, and ese are well watered; after which, the seeds are wed, in single rows along the tops of the ridges .he plants very soon appear above the soil, and grow ith nineh vigor, owing to the great depth of soil id abundant moisture. Water is given rather pro-sely once in every week or nine days, even if the eather proves showery; but, if the ground be thorighly drenched by the autumnal rains, no further nuble is necessary. Under this mode of manage-ent, the plants will remain perfectly green and surrant till their blossoms and young seed vessels e destroved by frost, and their produce will retain a proper flaver, which is always taken away by mil-

The Flowers of Summer.

The following article was prepared by our friend r. Alexander Thompson of Aurora, Caynga Co. who has one of the neatest gardens in the country); it it was received too late for insertion in our last imber. We hope he will continue his contributions our columns .-- Eps.

After the interesting monthly observations on Floriilture, given to the public in your columns, an apolomay seem due for introducing to your notice a few

the top of the ground, under a powerful sun and strong ind, the surface becomes so hard that access of air to the ots is almost precluded; and the water rarely penetrates ore than a couple of inches: while the operator imagines is supplying the thirsty roots with abundant moisture as supplying the thirsty roots with abundant moisture, is doing them an injury by the application of a very transit stimulus, which is followed by an increased sensibility the drouth. In late spring planting, it is always preferance of the property of the drouth of the property of the planting that the property of the planting the planting the property of the property of the planting the planting the property of the property o re filling in the upper layer of soil. This will in most cases ffice, until the tree becomes sufficiently established by the aission of new rootlets to support itself; and also serves ensure its growth by filling up all the small hollows around e lesser fibres. In seasons of continued drouth, when it comes absolutely necessary to water flagging trees, two more inches of the surface soil should always be removed. there incress on the surface son should aways as remova, e trees watered copiously, and the earth replaced before e surface dries. This will prevent evaporation and the erusting of the ground, and the moisture will be retained r a much longer period.—A. J. D.] *["In the vicinity of Liegen (a town in Nassau,) from

*["In the vicinity of Liegen (a town in Nassan) from tree to five perfect crops of grass are [annually] obtained on one meadow; and this is effected by covering the fields the river water, which is conducted over the meadow in ring by numerous small canals. This is found to be of chadwantage, that supposing a meadow not so treated to celd 1000 lbs. of hay, then from one thus untred 4-5000 lbs. or produced. In respect to the cultivation of meadows, the antry around Liegen is considered to be the hest in all ermany. Dichig, Organ. Chem. p. 105.—A. G.]

* [The mildew which attacks the young fruit of the form grape, when reared in the open air, is one of the most outlessome to the cultivator in this country. An effectual neely is the flowers of sulphur dusted over the bunches lin a dredging-hox (or the solution applied with a syringe.) hen the grapes are of the size of small peass. But the

in a ureaging-box (or the solution applied with a syringe.) then the grapes are of the size of small peas. But the ost certain prevention of this, as well as most diseases to hich plants are subject, consists in keeping the vines in a riftly and vigorous condition. The first crop or two of a noung and thirtly vine is almost invariably fine and free on inplied to the common of the properties of the common of the properties roportion of fair fruit is smaller, until at last nothing but inviciled and mildewed bunches are seen. By laying own half of the long shoots of each vine annually, thus similar new plants, and never allowing the same to bear one tima two years, a full crop, free from rust or mildew, any he obtained annually. Even the finer sorts, as the Isbella, are sometimes liable to mildew on old vines: when it occurs, they should be headed back, to bring up a supplied of the properties wood, and plentifully manured. The young all third plants would be a supplied to the plants of the

hombar. But I trust the "lover of flowers" will never become weary with even a reperusal of any thing relating to the successful culture or peculiarities in the structure of rare and beautiful plants.

Calandrinia grandiflora. Having for the first time proved succeasful in the culture of this interesting plant, for the encouragement of those who have met with like failures I am disposed to offer some observations on the probable cause of my success, the repetation of which, if followed by similar favourable results will introduce to the florist one of the most beautiful ornaments of the garden. Most plants of the genus Calandrinia are natives of California, and like many products of warmer regions than our own, this species shows itself illy qualified to endure the influence of our burning suns. So far as relates to the trial made by myself, the whole secret of success seems to have depended upon a rich soil, a sufficiency of moisture, and a shady situation; the first consisting of a compost formed of equal parts of well rotted manure, decomposed vegetable matter from the woods, and coarse sand. Under these circumstances, during the whole of the past month, while other plants were suffering or entirely destroyed by the excessive drought, a succession of these beautiful flowers excited the admiration of every beholder.

Verbena. The introduction into Floriculture of this unique and attractive genus of plants, is daily demonstrating that by this accession to the garden, is added one of its brightest gems. The facility with which new species may be produced from the seed, places in the power of every one, an opportunity for making choice collections, blending in their varied forms every variety of the most brilliant coleuring. Few flowers require less pains for their successful treatment. Professor Russell remarks "that a hot sun, poor soil, and open air are the best means of cultivating them,"three requeits which most gardens are capable of furnishing. Indeed, during the excessive drought of the past month, while most of the occupants of the parterre were struggling for existence, with a hurning sun above, and the perched earth beneath, the Verbena daily exhibited its dense corymbs of brilliant flowers. in the bright sunshine, almost painfully dazzling to

Double Flowers. The appellation monster, by which botanists have been pleased to designate those flowers, which under peculiar circumstancea of soil, cultivation &c. are disposed to undergo transmutations or conversions from one organ to another, and thus to asume new and varied forms,-in some instances would seem to be misapplied, for among flowers of this character we refer for many of the choicest specimens of Flora's kingdom.

From this indiscriminate appellation of the term, I have been the more disposed to dissent aince observing a few mornings past a splendid specimen of the Double Tiger Fiower (Tigridia paronia.)

The characteristics of the original plant, so far as colour, form of petals, &c. were preserved. In other respects every organ of the flower was double, the twelve expanded petala arranged systematically as in the single plant, and presenting a beautiful star shaped flower of almost unequalled magnificence.

I am not aware that this tendency to the multiplication of organs is frequent in plants of this genus. On the contrary, I am inclined to think that the occurrence is very rare, though not an unfrequent event in the ARTIFICIAL CLASS to which plants of this genus be-

Wood in Michigan .- In conversing, this morning, with a friend from Tecumseh, Mich., engaged in the manufacture of Cloth, we were informed that the Wool-growing business is more extensive, in that one thing at a time, is our motto.

plants with whose phenomena you may already be state, this year, than in former seasons. He says the location and character of Michigan is peculiarly well adapted to successful engagement in that business; and thinks that Wool will soon be a leading and important article of export from that fertile and beautiful state. Wheat-growing and sheep-raising work admirably well on the same premises.

> We have noticed, in reporting the lake trade, that ome fair quantities of wool have been shipped down the lake from the Peninsula state. May her prosperity be commensurate with her industry and economy; and let all be proportioned to her natural advantages and soon no state may say "come ahead," -Rochester Evening Post.

Planting Orchards -- Peddling Fruit Trees.

The great demand which has existed for fruit trees in newly settled parts of the country, has given rise to a system of imposition, in the shape of peddling, which demands exposure; for it results in loss and disappointment to thousands of unsuspecting persons, who purchase trees in this manner, hoping to improve their

In the spring of the year, particularly, enormous leads of fruit trees may often be seen passing through the country, on a tour of two or three weeks, without even the slightest provision being made to preserve their vitality--tied up like so many bundles of brushwood, their roots exposed to the full action of the san, winds, or frosts, as though they were completely imperishable; whereas a few hours exposure is often enough to destroy all the fibrous roots, so essential to the life and growth of the tree. It is indeed surprising that any man of ordinary intelligence, especially any cultivater of the soil, should be so ignorant of the first principles of vegetable physiology, as to expect trees thus treated. or rather maltreated, to live and thrive.

But a few days ago we were conversing on the subject of planting trees, with a gentleman from Canada. where this peddling system is practised considerably : he said that he and many of his neighbors had planted apple orchards year after year, but with very little success-net more than one third of the trees lived. and they might as well have died, for all the progress they have made. We ssked him how he procured his trees; he replied, from a man who was peddling them. This at once explained the cause of his ill success. Partial failures frequently occur from unskilful planting and other adverse circumstances, but in the case we have related, and all similar cases, the trees were . in fact dead before they were planted.

The man who digs up trees and sends them about the country in this manner, palming them off upon the community in a ruined condition, is guilty of a wilful violation of the laws of common honesty and fair dealing, and should be regarded as little better than a pickpocket.

But there is an argument of a pecuniary character in favor of purchasing from these pedlars : -- they usnally sell their trees at a lower price than regular narserymen. Enough has been said to show the fallacy of this economy. But it may be asked why can these pedlars asll lower than regular nurserymen? Because their trees are raised in a cheap and careless manner, without proper regard being paid to the kind or quality of the fruit; cultivating those kinds which come essiest to hand and produce the most rapid growth of wood; while in nurseries where there is a reputation at stake, and responsibility is assumed, the reverse of this is the practice, and in consequence of tha extra expense incurred in keeping all correct, and in procuring new and valuable varieties from a great distance, the prices must be somewhat higher.

We may hereafter have occasion to expose the misconduct of some professed regular nurserymen; but, O. P. Q.



ROCHESTER, CCTOBER, 1841.

Agricultural Exhibitions.

This is the month of the Farmers' Holidays-the month in which the producers-the true nobility of our land, will meet together for mutual plessure and improvement. On these occasions the best product one of the soil, the finest animals, the most approvel implements, and the most skilful ploughing may be seen by all. No farmer can witness these exhibitions without learning something by which he can improve in his practice of husbandry. Let all therefore, attend-and let all feel it to be their duty to do something to give interest to the occasion. And here we perceive there is apt to be misapprehension in the mends of many. They appear to think that any article to be fit for exhibiton must be of great size. But is size the principal thing to be regarded, by committees at our Fairs ? 1, the largest calf, the largest hog, or the largest cabbage invariably the best? By no means. On the contrary those of ordinary size are more frequently the most perfect in form or in quality. Let the committees remember this; and let farmers who have fine animals or productions, bring them forward.

The drama in this State has opened with a grand Mass Meeting at Syracuse. We hope the thousands of farmers who were there will impart the right spirit to their friends and neighbors; and that all will unite to give life and interest to the county exhibitions. The whole country-especially the Empire State is now waking up on this subject, and we believe the results will be such as will convince every one of the usefulness of agricultural societies and of the wise policy of our Legislature in granting them encouragement.

The officers and town committees of the county societics should consider that the efficiency and usefulness of the society mainly depends upon them. The exhibitions are now close at hand and vigorous efforts should be made to obtain members and funds, and persuade farmers to bring their animals and productions to the Pairs

We regret that more pefect information respecting the societies in this State and elsewhere, has not been furnished us. We are proud of Western New-York, however-our Genesce Country has organized nobly : and we are sure the exhibitions will do her farmers benor.

The following is a list of the places and time of holding the Fairs in the counties from which we have definite information .

Ontario County, at Canandaigus, Oct. 12th,

Genesco " Alexander, Oct. 13th and 14th. " Rochester, Oct 15th and 16th. Mourge

Lavingston . . " Genesco, Oct. 22d.

" Albion, Oct. 14th. Orleans

" Lockport, Oct. 22d. Niagara .. " Buffalo, Oct. 6th, Erie

Chautauque 44 " Maysville, Oct. 5th and 6th.

" Newark, Oct. 16th. Wayne

Cayuga " Auburn, Oct. 13th and 14th.

Oswego 66 " Oswego, Oct. 6th.

" ---- Oct, 20th. Oneida

44 Daratoga " Ballstown, Oct. 5th.

Portage, (O.) Ravanna, Oct. 20th and 21st. Durham, (Canada) Millville, Oct. 19th.

Northumberland, Caunda, Grafton, Oct. 20th.

Books and Papers as Premiums.

We are glad to perceive that several Societies propose to award agricultural books and papers, instead of money, for the smaller class of premums. We believe it will in general be quite as satisfactory and much more beneficial to the recipients. The Genesee county Society offers more than sixty copies of the New Genesce Farmer, together with other papers and books, in their list of premiums for their approaching Fair. We appreciate the compliment, Gentlomen Managers, and tender you our thanks.

Our acknowledgments are also due to the officers of the Niagara District Agricultural Society in Canada, for an order lately received for sixty copies. The Treasurer informs us that great good has been seen to result from the circulation of our paper among the members of that Society-Thus it will always be.

New Agricultural Papers.

We find on our table quite a number of new ' Exchanges' seeking our acquaintance, some of which we have 100 long neglected. Almost every day affords us new and gratifying evidence of the increasing demand for agricultural reading; and convinces us that the time is fast approaching when no intelligent farmer in our land will consent to be without at least one paper devoted to his profession.

"The Canadian Farmer and Mechanic" is the title of a paper commenced at Kingston, August 16, 1841. by Garfield & Good, proprietors, A. B. E. F. Garfield, Editor; 16 pages monthly, \$1 per annun; (rather smaller than this paper.) A well conducted and a well circulated agricultural paper in Canada, would doubtless exert a very beneficial influence on the prosperity of the province, and we wish this experiment success : at the same time, from our knowledge of the field and experience in the business, we apprehend neighbor Garfield will find he has undertaken an enterprise of greater difficulty than he ima-

Another Agricultural paper in Boston! S. W. Conv. formerly editor of the Yankee Farmer, has left that paper, and commenced a new one entitled the " Farmer's Journal," a monthly sheet, (half the size of this) price 50 cents a year. There are besides this, three weekly agricultural papers and one monthly horticultural, all apparently well sustained. Verily New England agriculturists are a reading people, and not afraid of " book farming."

" The Kentucky Cultivator" was commenced last winter, but stopped for the want of-subscribers. It has now recommenced and promises to continuewell done Mr. Virden. It is a neat little monthly of 16 pages; \$1 per year.

" The Plough Boy," is the title of a small semimonthly sheet, published by Wm, F. Duriso, Edgefield Court House South Carolina, \$1 50 per year.

" The Union Agriculturist," Chicago, Illinois. After a suspension of several months, arising from a difficulty with the printers, this valuable paper has again made its appearance-success to it.

" The Western Furmer's und Gardener's Almanue for 1842"-By Thomas Affleck, Pditor of the Western Farmer and Gardener, Published by E. Lucus, Cincinnuti.

A copy of the above work has been politely forwarded us by the author, and we have examined it with great satisfaction. It is a very next duodecimo pamphlet of ninety-six pages, and contains, besides the usual calendar, &c., a lage amount of very useful and interesting matter relating to agriculture, horticulture and rural affairs, with numerous spirited engravings by Mr. Forster. The chapter on Swine (with 15 portraus) is alone worth double the price of the work. Every farmer and gardener who has an op- at a high price.

portunity, should procure this alminue: we presume it may be obtained at most of the booksellers in the west, and we shall advise the publisher to send some this way. The price is \$2 per dozen, or 25 cents single. It can be sent by ninil if desired-t! e postage is six cents for less than 100 miles, and ten cents for any distance over 100 miles.

The following glance at the contents will give an idea of the variety and interest of the work :

Times of holding Courts in Ohio, Kentucky, Tennessee, Induan and Illinois. Rates of postage, list of Agricultural periodicals. January-Life in the country, the garden, respectfating old orchards, saving clover seed, the bec, farm buildings. February-Sugar making, culture of corn, farm buildings. March-Duck shooting, the larmer's garden, farm stock. April—The mising, potatoes, the fruit garden and orchard, grafting, building, causes of decay in peach trees, manue. May—The flower garden. June— The Poultry yard. July-Fourth of July frolic, pickling, cure for murrain, vermin in cattle. August --Emigration to the west, turnips, removing weeds and briars, singgers in swine, hoven caule. Sentember-The vintage. October—Cider making, the peach tree worm. November—A chapter on hogs. December-Wolf hunting on the ice, sowing grass seeds. Engravings-Sleighing party, subtended hives, sucamp, dack shooting in the prairie swamps, building log houses, grafting, budding, young gardeners,, the poultry yard, pic-nic party in the woods, party of immigrants, the vintage, eider making, peach tree insect, hog killing, white China hog, Warren Co.
do., Wobourn do, What Berkshire do, Docor Martin's banter pigs, and Berkshire barrow,
"Tom," do., "Daniel Lambert," Berkshire sow,
"Madam," Siancee boar, Irish grazier sow, do. boar, belt barrow, Neapolitan boar, thin-rined sow, wolf hunting on the ice, and cleven amusing tail

P. S. Since writing the above, we have received from the publisher an invoice of the Almanaca and "Bee-breeding in the West." So that both of these works will soon be for sale at the Bookstores and Seed Store in this city, at \$2 per dozen, or 25 cents eachorders are solicited.

Our Friends in Canada.

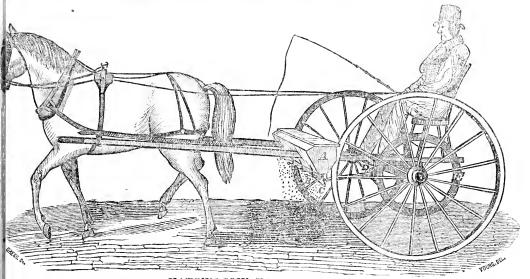
The hearty welcome and genuine old-country hospitelity which we usually meet with among the English and Scotch farmers in Canada, always makes us regret that our visits in that country examot be longer and more frequent. While on a hasty tour in that province last month, we called at a p'e sant cottage fronting the lake and surrounded by a beautiful garden, occupied by two English friends, one a bachelor, and the other with a better-half from one of the best dairy districts in England. We had, on one or two former occasions been struck with the peculiar excellence and great variety of the table luxuries produced from her dairy. Two of these, "Junket" and "Clotted Cream," are rarely met with in this country, although with some of us they may be associated with the happiest recollections of our childhood. At our request, our friend furnished us directions for preparing these dishes, which we give our readers.

TO PREPARE JUNKET,

Take one quart of milk warm from the cow, and stir in a teaspoonful of rennet, and let it stand till curded, which, if the rennet is of proper strength will be in about fifteen minutes; grate over it a little nutmeg, and sweeten with maple molasses or honey. It is an excellent dish for supper.

SCALDED, OR CLOTTED CREAM.

Take a pan of perfectly sweet milk, twelve hours old, with the cresm on; stand it on a stove or furnace over a gentle five till slightly scalded, " when a ring will appear in the cream of the size of the bottom of the pan"; then take it off and let stand till cold; skim off the cream and it is fit for 183. When used as an accompaniment with fruit, tarts, &c., it is sweetened to suit the taste. This cream is esteemed a great luxury in London. It is brought in by dairymen and sold



HATCH'S SOW ING MACHINE.

Vare happy in being able at length to give our readers a correct representa- known that sowing is one of the most difficult and laborious operations of the for-I description of Hatch's Sowing Machine-an invention which we firmly will prove of more benefit to the farming community than any other that neared of late years. The above drawing is so perfect that but little descrip-necessary. The nunchine consists of a pair of wheels of the size of ordinary necessary. wheels; an excitice 10 feet long, with a pair of shifts for the horse by by. Just in front of the wheels, and across the shafts is the hopper (A.) long and capable of holding 3 or 4 bushels of grain. At the bottom of the is a slide or Agitator I inch square, faced with iron and having teeth on ide, by the motion of which the grain is shaken out. The width of the , and the consequent deicharge of the seed, can be increased or diminished ns of set screws, as shown at B. When the machine is in operation a rapid ry motion is given to the agitator by means of a small red and crank (C.) d to one end of a small shaft 15 inches long, on the other end of which is a wheel (D.) with cogs or teeth meshing into the master wheel E. wheel is bolted on to the inside of the spokes of the nigh wheel of the ma. It is 2 feet in diameter, and one revolution of it gives eight revolutions to tion wheel and shaft. On the top of the back part of the machine is a sent driver. A small cord is attached to the end of the pinion shaft, and reachne seat of the driver, by means of which he can readily put the machine out , so as to stop the discharge of seed at any time when desired. will sow all kinds of grain, grass seed and plaster, at any desired rate from ts to as many bushels per acre. It is easily managed, and not liable to get A man or a smart boy with a horse, can sow from twenty to twenty. res with it in a day.

inventor and proprietor of this machine has spent several years in testing proving it, and he now introduces it to the public with the utmost assurance will fully meet the wants and expectations of the community. It is well

mer, and one which but few men can perform properly. Hence arises the need of a machine like this-one that will perform the work correctly, expeditiously, and with case All who have used this machine, agree in declaring that it answers the purpose exactly; and if we are not mistaken, it will in a few years be as uncommon to see a farmer sowing grain by hand in this country, as it now is to see one thrashing with a flail.

Mr. HATCH has lately been engaged in manufacturing a few machines in this city, in order to introduce them to the famous of Western N.w York, but he cannot, nor does he wish to supply all orders, as his main object is to sell rights and orders to many target. The wise of the meshes it is main object in to sell rights and others to manufacture. The price of the meeting is \$10. He is willing to send two or three to Ohio and other Western States, if desired, in order to make them others to manufacture. tnown there; and he hopes that all who feel an interest in the subject will examine them and satisfy themselves, before purchasing rights. To enterprising mechanes and others, he will sell County or State rights, on favorable terms. Letters addressed (post paid,) to Julius Harch, Rochester, will receive attention.

Aware of the deception which is often practiced by means of Certificates and Recommendations, and being determined that this Machine shall recommend itself, the proprietor begs to refer those wishing information respecting it, to the fol-lowing highly respectable individuals who possess them:

RAWSON HARMON, Jr., Sylvester Harmon,	Wheatland,
ELISHA HARMON,	4.6
H. & D. ROGERS.	1.6
Isaac Cox,	41
THOMAS H. NEWBOLD,	Caledonia,
ISAAC LACEY, Chili,	,

MARVIN SMITH, Mendon, JOHN MOXON, Gree e, Asa Rowe, HENRY FLLLOWS, Penfield, ALVA S. Hoyr. Batsvia, CHESTER SCOTT, Elba.

DYEING.

FARMERS, .. The following recipes are invalu-le to hoose keepers, and should be preserved by every 's wife. The modder compound, indigo empound, and impound, are for sale only by the subscriber, at the street Drug Store, where are also for sale every des-tor dy e woods and stuffs, at the very lowest eash pri-

dor Madder Red .- Take one pound of Madder for ev-) pounds of yarn or cloth, soak the madder in a bress per kettle, one night in warm water, enough to cover per kettle, one night in warm water, enough to ever ly you wish to color; next morning put in two onness to water. It was not seen to the color of the color of the backet. Then wet your year or cloth and wring it out to water; afterwards put in the dye. Now place the lyer the fire, and bring it slowly to a scalding heat, will take about helf an hour keep it at this host half it, if a light red it wantel, and longer if a dark one; or depending upon the time it remains in the dye.

m the color is made, rinse the cloth immediately in ater, and it will then be finished.

olor Scarlet Red .- Take soft water, sufficient to olor Scarlet Red.—Take soft water, sufficient to ever the or yarn you wish to color; bring at to a boiling a copper or brass kettle; then add 14 oz. of cream of for every pound of cloth; naw boil a number or two, an add two oz. of powdered Lac, and 3 oz. of Malder und, (the Lac and compound must be previously mived uss or carthen bowl,) boil five minutes; now wet the 1 warm water, and wring it, and put it in the dye; boil fole nearly an hour, take the cloth or yarn out, and the cloth old water.

in clear cold water. olor Green —For every pound of yarn or cloth, add 3 alf ounces of alum and 1 pound of Fustic. Steep to strength, but not boil; soak the cloth un'il it acquires yellow color, then throw out the chips and add the ner, - Georgetown, were chosen Managers,

Indigo compound slowly, until you have the desired shade

of Green.
To color Pink - Por every three pounds of yarn or cloth, in 3 quarts of water, (or enough to cover it.) use one niot of the Pink compound. Bring the water containing the cloth nearly to a scalding heat, and add the compound until the shade suits you.

M. B. EDSON, tate street Drug Store, 30 State st., next door to the City Bank, Rochester.

"The Stump Extractor."

Mr. Danke, the owner of the right of this machine informs us that the patent has nearly expired, but he is in hopes of getting it renewed.

Madison Co. Agricultural Society, Organized September 1, 1841. Johnathan D. Lennard, President.

ELIJAH MORSE, HORATIO G. WARNER, JAMES H. DUNBAR, Vice Presidents.

ALEXANDER KRUMBHAAR, Cor. See'v.

A. S SLOAN, Recording Secretary.

A. S. SLOAN, Recording Secretary.

URLAH LELAND, Treasuler.

Johnsthan Woodward, Cazenovia; Thomas A.

Clark, Sullivan; Stephen Comen, Enton; Geo. B.

Rowe, Lenox; Orrio B. Lord, Hamilton; James Coolidge; Madison, Geo. Kitch, Nelson; B. B. Stewnrt, Smithfield; --— Stockbridge. – - Da Ruy - Lebanon, - Breokfield, ter, --Fen-

Orleans County Agricultural Society.

We have received a circular containing the constitution of this Society, and the list of premiums to be awarded at the Fair to be held at Albion on the I4th day of October. We have not seen the list of officers. CHARLES LEE, is President, and H. CHASE Sec'y.

Mechanics Fair at Rochester.

The third annual Fair of the Mechanics and Artizans of Western New York will be held at Rochester commencing on the 12th day of October. We have not room to insert the Circular this month, and we believe no arguments are necessary to induce the thousands to attend who witnessed the previous exhi-

Wild Rice -- Inquiry Again.

We should be glad if some one of our friends in Canada would give us some particular information respecting the Wild Rice, -whether it is ever sown or cultivated in any way; what depth of water it usual. ly grows in; what quantity of grain it will yield per nere; how it is havested and cleaned, &c., &c.

the particul Breeds of Sheeps

WOOL GROWING is becoming a very important and profitable branch of agriculture in this Sate, and many larmers are anxious to inform themselves respecting the character and relative value of the different breeds of sheep. The following article, copied from the Western Farmer & Gardener, is the best we have seen on this subject of late. We would advise our readers, who wish information respecting this or any other kind of farm stock, to attend as many Agricultural Tairs as they can, where they may see the different breeds, and compare them. We will give some engraved representations bereafter.

In my former communication, I endenvored to lay before your readers some a count of the particular appheation of the different sorts of wool, to their minufacturing purposes; distinguishing them by their well known division of long and short. In continuing the subject. I purpose taking a short review of the various breeds of sheep, or such of them as I think will be interesting to your renders; explaining with as much distinctness as lays in my power, the origin of the name held at present by each particular breed: having in view the intent of informing those who may not be acquainted with the subject, what is meant by the Cotswold, Bakewell, &c.

The long-woodled sheep shall first occupy our attention; and, as they are more especially before the public mind, we will begin with the Leicestershire.

The Old Leicester, the New Leicester, the Bukewell, and the Dishley, are one and the same breed of sheep; the Oid Leave-ter being the original stock -About the middle of the last century, Mr. Bakewell. who live I at Dishley, in Leicestershire, endeavored to improve the existing slicep of that county; which he did by attention and a careful selection from all the flocks around his neighborhood, without regard to s.ze, but knying in view the greatest propensity to fatten, with that shape which he considered would produce the largest proportion of valuable meat, with the smallest quantity of bone and offal.

Having formed his stock from sheep so selected, he carefully attended to the peculiarities of the individals from which he bred, and (from the bet information) did not object to breeding from near relations, when by doing so he put together animals likely to produce a progeny possessing the character-

isties he wished to obturn. Some persons supposed that Mr. Bakewell formed the New Locaster variety by crossing different sorts of sheep. There is no reason for believing this; and the contrary appears to be the fact. He next established a system of letting runs for the season, instead of selling them, to those who wished their use-n system not only beneficial to the ram-breeder, but also to the farmer. It enables the rain-breeder to keep a greater number and give his whole attention to this department; and secures to the farmer, any cross he may require for any portion of his flock, without the necessity of in-and-in breeding.

Valuable as this system no doubt was, it was only after 20 years of meessant perseverance, that Mr. Bake well had the pleasure of seeing his ideas on this subject instained by the bree lers of the country. The first ram Mr. B let, was for sixteen shillings. Twenty-six years from that time, he let a celebrated ram called the Two Pounder, for one season, at four hundred guineas each from two breeders, still reserving one-third for himself; the value of the ram for this season, being thus estimated at twelve hundred guineas, (about six thousand dollars.) Mr. Bakewell's improved breed were called the New Leceister, to distinguish them from the parent stock: by some they were designated as the Bakewell, and by others the Dishley, being the place of his abode; and thus we get at the origin of all these names.

Before closing this account it may be well to deseribe the peculiarities of the New Leccister breed of sheep. The head should be hornless, long, small, tapering towards the muzzle, and projecting horizontally forwards; the eyes pronunent but with a quiet expression; the ears thin, rather long, and directed backwards, the neck full and broad at its base, where it proceeds from the chest, but gradually tapering towards the head, and particularly fine at the junction of the head and neek; the neck sceming to project straight from the chest, so that there is, with the elightest possible deviation, one continued horizontal line from the rump to the poll; the breast broad and full; the shoulders also proud and round, and no uneven or angular formation where the shoulders join either the neck or the back; particularly no rising of

the witness; or hohow beamed the attention of these bones; the arm fleshy through its whole extent, and even down to the knee; the bones of the legs small, standing wide apart, no looseness of skin about them, and comparatively bare of wool; the chest and barrel at once deep and round; the robs forming a considerable arch from the spine, so as in some cases, and especially when the animal is in good condition, to make the apparent width of the cuest even greater than the depth; the barrel well ribbed home; no irregularity of line on the back or belly, but on the sides the careass very gradually diminishing in width towards the rump; the quarters long and full, and, as with the forelegs, the muscles extending down to the bock; the thighs also wide and full; the legs of a moderate length; the pelt also moderately than, but soft and clastic, and covered with a good quantity of white wool, not so long as in some breeds, but considerably finer

The New Leicesters are not however, without their faults; they are by no means prolific breeders. This, it is probable, may be the result of the in-and-in breeding to which Mr. Bakewell no doubt sometimes resorted They vary much in size, weighing at a year and a half old from twenty-four to thirty six pounds per quarter; though we have instances of their being fed to a considerably greater weight. We have it on record that Mr. Morgan of Longhton, ted a pure bred New Leicester sheep, the live weight of which was three hundred and sixty-eight pounds, and that of the carenss two hundred and forty-eight.

The fibre of the wool varies from five to more than twelve inches in length, and the fleece averages from six to seven pounds; it is used mostly in the manumeture of serges and carpets.

The Cotswold sheep takes its name from a range of hills on which they are raised in Gloucestershire, and known as the Cotswold hills-being one of the grand divisions of that county. Camden says "that they derive it from the cous or sheds in which they were housed at night,-or permanently for the winter; and the wolds or open hilly grounds on which they were pastured in the summer." Every person at all conversant with the topography of England knows that the Cotswold hills have ever been famous for the pasturage afforded to this particular breed of In 14.7, Don Duarte, King of Portugal, made application to Henry IV. king of England, for liberty to export sixty sacks of Cotswold wool, that he might manufacture certain cloths of gold at Florence, for his own use. Stowe says in his Chronicle, that in the year 1467, Edward IV. gave beense to pass over into Spain, certain Cotswold sheep, &c .-The object that I have in making these quotations, is merely to show the antiquity of the breed. Very few pure Cotswolds now exist, and these we are given to The description understand, are fast passing away. given of the pure Cotswold is that they are taller and longer than the improved breed; comparatively flat sided; deficient in the fore quarter but full in the bind one; not fattening so carly, but yielding a longer and a heavier fleece.

The Cotswold have been crossed considerably by the Leicester, and the prevalent breed may be said to consist of half Leicester, half Cotswold. Though a distinct breed of sheep, the similarity that presents it-self in the Bakewell and Cotswold sheep of this country, would carry conviction to the mind of any breeder, that the cross has been carried to a very considerable extent, upon most, if not all of the sheep of this name imported into America. In some parts of this country -for instance, in the territory of lows, or any other, where wool is the object and not the carcasethe pure Corswold is the better sheep; they are more easily kept; are larger, though not so well formed in the body, and produce a heavier fleece. This is speaking comparatively between the Cotswold and the Lei-

The improved Cotswold, which is the sheep we have here, will weigh from 25 to 40 lbs. per quarter; and yield a fleece of from 7 to 8 pounds on the av-

The pure Linconshire sheep, like the pure Cotswold, is fast disappearing. Culley describes them as having no horns; white faces, long, thin, and weak enreases; the ewes weighing from 14 to 20 lbs per quarter, and the wethers from 20 to 30 lbs.; with thick, rough, white legs; large bones; thick pelts, and long wool, from ten to eighteen inches, and weighing from 8 to 11 lbs. per fleece. According to Ellis, they were the longest legged and largest careassed sheep of all others; and although their legs and bellies were for the most part void of wool-yet they carried more wool on them than any other sheep the size of very small peas. The crop is used for soi whatsoever. The contest for supremocy between the ing, by cutting while green and taking it to the size

Lincolns and the Leice-ters &as long and remnonious and doubt even now exists in the minds of some, with regard to the relative value of the respective breeds The cross of the Leceistershire ram on the Lincoln ewe, displayed to a great extent the excellencies of this male parent, and the wether ottomed its maturity in n year less time than it was accustomed to, with lest comparative expense of food even in that time. The Lincolnshire sheep now, is for the most part crosser with the Leceister—as indeed is the case with most of the long wooled varieties. The average weight of the flecee of the present sheep, is about 7 lbs., and o the pure Lincoln, not more than 9 lbs.—the length of the stople from 8 to 9 inches.

There are other long wool sheep, but from the cros of the Leicester, they have generally imbibed so much of the characteristics of that breed that I think it ur necessary to give any lengthened description of them

In a future number I will take a review of the shor wool sheep, and give my opinion as to the adaptation of the particular breeds to western farming purposes Yours, &c. UMBRA.

American Wool Product.

To those who have paid the subject but little at tention, the amount of money invested in the produc tion of wool within the United States, will seem sur prising. It is very generally believed that this is quit a secondary branch of our general interest, instead of one of the most fruitful sources of our wealth, an best deserving the cherishing protection of our Gov ernment. As shown by the returns of the late census we have in this country, exclusive of North Carolina Michigan and Kentucy, 19,055,962 sheep; and takin ten dollars as the averrge value of land necessary t sustain a sheep and make a fair allowance for th animals theorselves, for the labor necessary for their proper superintendence with that required to prepar their product for its first market, which are as muc part of the investment as the land which sustaine them, the aggregate amount of capital invested in thi branch of industry will be at least two bundred mi-This is certainly an immense sum lions of dollars and well deserves the attention of the General Gov ernment. At present, England supplies us annuall with some ten millions worth of broadcloths, and at ter all chooses to import her wool from the continent to the entire exclusion of our own. In 1839, her er tire import of this article was 57,395,944 pounds, an while we had some 40,000,000 pounds of wool re maining at home, nearly two-fif hs of the whole wo len manufoctures of Grest Britain came to the U. S And yet we have only \$15,000,000 invested in wolle manufactures.

Of the aggregate amount of wool grown in the United States in 1839, New York produced 4,012, 144 pounds; Ohio, 3,650,970; Vermont, 2,257 7(5; which, in proportion to her population, is muc the largest amount grown in any State : Pennsylvania 3,076.783; Virginia, 2,672,044; Maine, 1,475,551 New Hampskire, 1,260,988: Indiana, 1,209,209
Massachusetts, 1,055,591; Tennessee, 1,029,516
and the other States various amounts between the
833,675 pounds of Connecticut, and the 45,524 c
Louisiano.—N. Y. Tribance.

Culture of the Tare or Vetch.

A subscriber in Canada inquires whether any far mers in this region are in the practice of growin English Tares; and if so with what success. W should be pleased if some of our readers would giv us the results of their experience on this subject. I the meantime, the following, from the Farmer' Cabinet, may be useful:

"At a late meeting of the Philadelphia Agricultu ral Society, a member inquired if any one presen could speak experimentally on the culture and valu of the tare or vetch, which is in such very genera use in England, where the summer coiling system i adopted; remarking, that from all accounts the plan must be astonishingly productive as well as nutritious Having myself employed it for that purpose ver largely, and for many years, I would say, its produc tiveness has never yet been overstated, or its valu-oversated, as food for all kinds of cattle. Horses milk cows, fatting beasts, sheep and hoge, will grov fat while feeding on it, and the older it grows th more valuable it becomes, as the seed when formed it the pod, is far superior to outs or any other grain fo the purpose of cattle feed; the seeds are black, an the size of very small peas. The crop is used for soi

i: it is sometimes ted off by sheep, comming them t by means of temporary fencing or intidles; catthere not hable to become hoven while feeding it in a' singe of its growth; on good land it has been sown to reach the height of three feet and even are, producing as much as 12 tons of green food acre, which, when well dried, will yield 3 tons he most valuable hay on the farm. The first sowtakes place as soon after harvest as possible in gland, upon land designed for the wheat crop the at autumn, with the winter variety of seed, which a easily be distinguished from the summer tare, as s smaller, rounder, and blacker; these will bear severity of the winter; rye is olten mixed, to ene the crop to stand up, when it attains a considere height, but a sprinkling of wheat has been found t for this purpose, as it remains longer succulent the summer, The crop from this sowing will be for cutting for soding in May, and the stalks if in the ground, will afford a second growth for ep-feed; but as the tare is a fallow crop, it is the st management to cut all off and plough the land p as soon as the crop is removed, well working deleaning it during the summer, preparatory to eat sowing, early in the autumn, after a dressing well prepared compost, if this has not been given to tares-a far better arrangement for both crops. ie next sowing is with the summer variety of the e, as early in March as the season will admit, on d that has been ploughed preparatory in the aunn or winter; again in April another crop is sown, d, if necessary, two other sowings might take ce, the last so late as the end of June, that so a reession of this most valuable crop might be sered for the whole of the summer, and until the end September Such crops produce immense quantis of manure, which is carried from the sheds and mposted for dressing others; turneps, for instance, nich may be sown on the land from which the first op of tares has been carried, and fed off in time for It must not be forgotleat-sowing in the autumn. , that the richer the land, the greater will be the op of tares, and none will pay so amply for manure: t when the crop is very heavy, there is less chance obtaining good seed, and if that be the object, it is commended to mow the first crop carly for soiling, d permit the second growth to stand for seed, which sometimes a precarous business, nothing being ore uncertain; I have purchased seed at a guinea d a half a bushel, and sold the next year's produce tained from it at six shillings a bushel! When the ice of seed is moderate, the quantity sown is two shels or two and a half per acre, but whatever the ice may be, it will be repaid in the crop, if the land in good heart. As much as 30 bushels of seed per re has been obtained, but 15 bushels, and often half at, is more common. Under a heavy crop of tares, e land will be found perfectly clean and mellow, d will turn up like an ash-heap; and there is no estion with me, that the crop may be raised with ecess in this country, if well cultivated on good od, rather stiff in its nature and lying cool.

With regard to the value of the tare for soiling, it is been calculated that ten times the stock might be ept on them than on any other commonly cultivated op; horses require no corn or any other food, and ws give more butter while feeding on them than on ly other food whatever. Is it not strange that no gular experiment on an extensive scale has yet been ade on such an invaluable crop in this country.

Hussey's Reaping Machine.

In our July number we mentioned that one of these schines had arrived in this city, and that the farmts in this vicinity would have an opportunity of witessing its operation. But, unfortunately, the prorietor did not arrive till after the 1st of August, hen nearly all the wheat was cut, and a good field or the purpose could not be found. A trial was, owever, made on the form of Mr. Whitney near this ity, and witnessed by a number of farmers and citiens. The ground was very unfit for the purpose, cing quite rough, and containing numerous stumps, o that the machine was exhibited under great disadantages. Still it did good execution, and convinced ll who were present that on ordinarily smooth land t would prove a great saving of time and labor in arvesting grain. It cuts remarkably clean-in fact

to doubt that under involuble circumstances it would cut tifteen acres in a day.

We regret that a more public and extensive trial could not be made here the present scason; but hope that many of our readers will have an opportunity of witnessing its performance next year. In the meantime we copy from the Farmers' Register some account of its operations in Virginia. After speaking of an experiment made on very unfavorable ground, William B. Harrison, of Brandon, says:

" The third day, however, we removed them to a more invorable site, where the beds were wide, the furrows shallow, and the wheat heavy, and I very soon became convinced that Mr. Hussey's reaper did not deserve to be classed with the humbigs of the day. By this time the horses and hands employed had become better trained, and the work was beautitally done-better indeed than I ever saw done by the most expert cradler and hinder, "with every appliance and means to boot," to enable them to do the work well. Less wheat was left on the ground traversed by the machines, either standing or cut, than I ever observed in any wheat field before.

"I wish I could speak as strongly in favour of the reaper as a time saving machine, but the truth obliges me to say that I cannot. Sull I think that it will save time; but the question is, how much? A very difficult question it is, too, and by no means so easily solved as might at the first glance be imagined. Indeed, so much depends on the locality, the length of the rows and the heaviness of the crop, (the reaper operating to most advantage in heavy wheat,) that the time saved is constantly varying; and to approximate the truth, therefore, is as much as can be expected. Something, indeed, a good deal, depends upon the fact, whether good cradlers have to be stopped in order to run the machine; good policy, however, would always suggest the propriety of stopping the

"It is not enough to ascertain the number of binders required to run the machine, in order to deter-mine the time saved. Say eight hands are required for this purpose in heavy wheat, and where the rows are pretty long, and such situations are the most favorable to the reaper, and six where the wheat is lightest and the rows short, and a good deal of time consequently lost in turning. Are six cradlers saved in the former case, and four in the latter, estimating the driver and raker, who ought to be good and efficient hands, as of equal value with cradlers? Cer tainly not; and for this reason. The reaper cannot be started as long as there is any dew on the wheat in the morning, nor can it operate after much has fallen in the evening. At such times the hands that attend the machine have to be employed in some other way; and moving from one kind of work to another is always attended with more or less loss of time. Nor is this all. In shocking wheat after the machine, some loss of time is also incurred. Where we use the cradles, the binders follow immediately behind them, and then come the pickers up as well as the shockers, and the whole work goes on together. The reaper, however, when operating in long rows, as it must do to work to advantage, scatters the work so much, leaving it in long narrow strings, that shockers cannot find constant employment in following it. We have found it necessary, therefore, to stop a part of our cradles, once a day, in order to bring up the shocking after the machines, which certainly occa-sions some lose of time. Still I think on the whole that the securing of our crop has been somewhat expedited by the use of these machines; and if binders could have been hired to operate them without stopping the cradles forthe purpose, our harvest would have been very materially shortened; and the loss of

wheat would unquestionably have been much less.
"It would add greatly to the value of these machines, if the ingenious inventor, Mr. Hussey, could devise some way to make them cut damp straw; so that they might be kept at work all day. Whatever Mr. Hussey has not accomplished, however, is, I am sure, owing to the intrinsic difficulty of making the improvement desired; for the wonder with me is not that he has achieved no more, but that he has done so

"The resper compares most advantageously with cradles in cutting heavy wheat that stands well, cutting it quite as rapidly as it would a lighter crop, which the cradles would not do; or in cutting fallow wheat that inclined altogether one way. The fallow wheat however, must be cut the way it inclines, the knife on that stands in its way can escape; and, some way it is said beautifully as it falls from guarding against the chance of excess.—Leamington the machine, for the binders; but the machine must (Eng.) Spa. Chron.

go back without enturing. I am not of opinion that the reaper will answer in all situations, or will even supersede the use of the cradle altogether; but 1 incline to think that it may be used to great advantago in securing parts of almost every large crop; at least on level fund.

After timeing these machines repeatedly, I have not been as yet able to get either of them to cut more than an acre per hour, and, by the way, that is quite expeditions work in heavy wheat. Before trying the reaper, I had supposed that good scythemen would average more than 2 acres a day in good wheat, but I am now convinced that this is quite as much as can be done. My overseer, Mr. Adams, who super-intended the machines, and is quite a judicious man, entertains the belief that 13 acres might be accomplished by the resper in an hour, with fast horses and superior driving. It is probable too, that the experience of another sesson might enable us to effect more than we have yet done. But still I doubt if an acre and a half an hour can e er be counted on for many consecutive hours.

An observant gentleman of Charles City, and a practical farmer too, who has one of these machines which he worked last year, informed me recently that it would cut down sixteen acres of wheat a day, or would do the work of eight cradles. testimony of this gentleman is every way entitled to eredit, and justice to Mr. Hussey seems to require that it should be mentioned. I presume of course that some allowance was made for the time lost in the morning and evening, when the straw was damp.

Another trial was made by R. B. Bolling, of Sandy Point, who remarks:-

"I feel satisfied that the principle is a good one, and may be successfully applied to the object intended, and that the machine is destined when the inventor shall have better perfected its mechanical arrangements, which he can, with his greater experience, easily do, to be an invaluable a quisition to the farmers of the wheat-growing region of country. With three mules, a man to drive and one on the machine to rake the wheat from the platform on which, as it is cut, it falls, we estimated that rather more than one acre per hour was resped. By Mr. Hussey's calculation the machine must cut one acre in every two miles that it travels through the wheat; 15 acres therefore by this calculation, may be reaped in a day with one machine, pulled by three nucles with two men only to drive and rake, by travelling thirty miles, a distance not too great on level land, through large fields, where there would be but few turns. The cutting of the machine where the wheat was rankest was the best, leaving not a straw scarcely standing The wheat for the "pickers up," or binders, was de-posited more evenly and in much larger quantities together, than after the cradle, and with these advantages to the pickers up, eight were not always able, when the wheat was rank and abundant, to gather, tie, and remove the sheaves from the track of the machine, as it passed around the square. The machine does not cut well early in the morning, when the wheat is moist; it cuts best when and where a cradler would do least -in rank wheat and in the hottest period of the day. I have concluded to procure two for the next harvest, satisfied that much manual labor thereby may be saved, at a critical and important senson to the farmer, when labor is always scarce, and especially on the lower James River at that time.

The Editor of the Register remarks-" Both these trials were undertaken at our request, and we are confident that both the individuals used every care to have full and fair trial mode, and the facts and results accurately noted. It is unnecessary to add that nowhere could such confidence be better placed."

Vucca Gloriosa.

There is, at the present time, in the garden of Mr. Baynton, of Hartest, near Bury St. Edmonds, a large specimen of the above plant with two flower stems, on one of which are npwards of 400 blossoms. Some one lately recommended the application of nitrate of soda to Dahliss. A friend of ours tried it in a very weak solution (sbout I oz to a gallon of water) and applied it once to each root in the dry weather of The effect has been a rich and powerful foli. June. The effect has been a rich and powerful toh-

A Letter from Illinois.

a letter written by a gentleman of considerable travel | tackling. and acquaintance through the great west, and so far as refers to your portion of country we are prepared to attest to the correctness of his remarks, and you may confer a layor on such as may wish to migrate to the west by giving this a place in your paper.

Yours, &c., FREDERIC BRACKETT.

Beackett's Mills, Illinois.

"In all my sequintance through the far famed west, I have not found a section of country that in every respect so well unites all the great requisites of the farmer as that portion embracing the south part of Effingham and the north part of Ciay counties, on the west side of the Little Wubash river, in the State of Illinois. There the prairies are small, averaging only from one to three miles wide; high, dry, and extremely fertile; and the rivulets or small creeks which divide these small prairies are bordered with as good tumber as I ever saw in the United States. They also afford great quantities of valuable rock both of the Impostone and freestone, and inexhaustable water.

This is the only prairie country in which I have ever seen all these great advantages in such abandones. Spring water is common both in the prairies and timber land, and excellent well water is obtained ten acres of hops this season. He applies to his hop by digging from lifteen to thirty feet, any where in the country.

The first year, the prairies here are somewhat harder to plough than old blue gress pastures; they are then planted in corn, and without any further cultivation they yield from fifteen to forty bushels per acre. The next year and onward they are extremely light and productive in all kinds of grain and vegetables suitable to the climate, thus is seen at once the great advaninges that result to persons who locate in the west ;n : clearing of farms, only fence and plough ; and the country being entirely free from stagmant water I have no doubt of its general health. It is worthy of remark that all this part of the country is entirely free from that distressing disease called the milk sickness.

Notwithstanding un almost unparalled drough from the middle of May until the first of September, corn in this vicinity will yield at least fifty bushels per acre this season. I entriestly recommend this portion of country to yourself and friends, but what you do you had better do soon, as the land will doubtless be parcharad rapidly.

Strange as it may appear there is yet more than nineteen twentieths of this beautiful and fertile country remaining to be purchased of the Government at \$1,25 per acre. It has been overlooked by travellers until lately, for want of roads passing through it,-but it is now settling rapidly. Yours truly,

A. B."

Sketches of Travel.

In a recent jaunt as far east as Madison and Chenango counties, that which struck our attention most, was the great number of raral visitors on the road, journeying, almost without exception, in expensive steel springed carriages and buggies, with elegant side amps, the horses caper soned with brass mounted or plated barness, the dress and baggage of the tra vellers in keeping with the equipage.

Twenty years ago when we passed through this country our springed carriage was boked on as a suppoling evolic, to be wondered at rather than admired, much less to be desired. On terms were then more common than horse teams, I doubt whether there was a farm r then within ten miles square, who could boast of a spring carriage or a ploted harness.

for Salt Point to buy salt, by furnishing each, a horse, Messas Entrops:-The following is an extract of with a certain quantum of rope and leather called a if I mistake not, its reputation as an Indian of

> If I was asked what has produced this great change in the social condition of our Rural population, I should say, it was varied and increased production. The birth or introduction and increase of the mechanic arts in the country has not been a whit behind the progress of agricultural industry; it may be said that from the nature of their mutual wants, they have incidentally stimulated each other. Thus has Hamthon grown up with its endowed semenaries and schools-and log city has been converted from a little city of logs as its significant early name implies, into one of elegant mansions, Greeian cottages, extensive factories, and workshops,

There is not so general an appearance of rural thrift in the counties of Madison and Chenango, as in our own Sences, but with their cold rough hills, and wet hollows they have better pasturage, more butter and cheese, more cattle, and the sweetest water in the world, we felt that such water in Seneca county could not fail to establish a perfect temperance reform.

The hop yards of Madison have of late almost entirely disappeared; over production reduced the price so low that the culture is generally abandoned; the consequence is that this year the price is unusually high. It is said that one man will clear \$4,000 on grounds all the manure of a large distillery, by the aid of which he is alone enabled to realize such large profits. Hops require a cool moist climate, but dry and very rich land. S. W.

Waterloo, Sept. 18, 1811.

Indian Com, the King of Edibles.

A Farmer from Oneida county, now on a visit here, says that our farmers strangely overlook the advantage of our warm dry climate for Indian corn-be says that they seldom fail to get 60 bushels to the acre there on an old sward, if they only have sun and dry weather enough to ripen it; he has seen 60 bushels raised to the acre this season, without the aid of manure, but it was well tended with hoe and cultivator, two implements "but little used" he thinks in our corn fields. Even in the south part of Oneida county a great grass region, corn stalks in the hundle are worth ordinarily \$3 per sere.

When I see a farmer pedling a load of pumpkins through our village, boasting of their superjor size and quality, verily thinks I to myself, that man boasts of heatown shame-the pumpkin growing farmers may have pumpkins, but they will have no corn this year. The kindsy influence of a warm sun, while it has done wonders for the thrifty industrious farmer's corn, has proved too strong a stimulous for the late planted, half manured, and worse tended corn, of the mere pumpkin grower.

Perhaps there never was a season when corn repaid the labor and attention bestowed upon it better than this year; on the other hand never did the neglected field yield less. I have seen some fields where the weeds for outweighed the stalks, and others of like soil, where the stalks were worth more per acre, than he grass from our best mendows.

Although grass and potatoes, in consequence of our long drought are not half a crop, I have no doubt but that if our Indian corn had been early planted on rich land and the carth kept loose by the hoe and cultivator, the crop this season would have been far above the average.

I have observed that the stalks this year, after the corn is ripe are full of saccharine matter, both horses and cows devour even the lints with avidity.

Either from bad fairing or some other cause, it Two furners would then once a year fit out a team | would seem that western New-York is fast losing its | I will only say to my brother farm rs, get the best

quondam character as a wheat growing region. growing country has always been too low, me from the fact that its culture has been neglected the more profitable production of wheat. But a when we have no more of nature's own virgin soi insure large crops of wheat at little expense, we t that more attention will be paid to that much sby prince of edibles for both man and beast. Indian ed Waterloo, Sept. 18, 1841. SW

Wheat Culture.

Messes, Editors-It appears to be that the culture wheat has not received that attention from argricultuwriters which its importance demands I think it would of great henefit to your readers if our wheat growers wo more generally give us the results of their experience, their mode of practice in this branch of farming. There nears to be much diversity of opinion on most points of nected with this subject; and for one I should like to kothe opinions and practice of the most successful who growers in this country; particularly with reference to manner of preparing the land, the time of sowing, quant of seed, and mode of preparation, if any,

As far as my own experience goes, I think I have obtain ed the best crops by fallowing the land, with three tim ploughing; thrown into ridges of seven or eight paces wid sown from the eighth to the sixteenth of September; five five and a half necks of see I to the acre : prepared by soa ing in line water from twelve to sixteen hours before so ing; the seed harrowel in. I have some seasons sown to wheat about the first of September, and when that has been the case I have almost invariably suffered more or less fro the rayages of the fly. I think early sowing renders who more exposed to this evil. Such is my practice, and if an of the correspondents of the Farmer can suggest improve ments on it, I shall be happy to learn and adopt them. " Old Genesce,' August 1941.

REMARKS .- We thank M. N., for calling the attention our readers to this subject, and we unite with him in the r quest that others will favor us with a description of the practice in wheat cultivation. We hope however the will be more particular than our friend M. N., and not for get to mention the kind of soil, depth of ploughing, kind o wheat, and the quantity of produce; and not omit to sig their names —Ens.

The following suggestion we believe to be of greaimportance. The advantage of a wheel over swing ploughs, was fully demonstrated by the accurate an repeated experiments of Prof. Pusey in Scotland Ploughs of nearly the same actual weight were tounto differ in the strength of the draught, required to move them on the surface of the ground, as four to one, when without, in one case, and with a wheel, it the other. This great difference must be obvious when it is considered, that the chief weight of the plough is brought by the draught upon the wheel which otherwise has to drag heavily along the ground The friction occasioned by this dragging, it is plain. must be greatly increased, when fifty or a hundred weight of earth is constantly pressing upon the mouldboard. As very few of our ploughs in this region are furnished with wheels, we beg leave to call the attention of famers to this subject.

For the New Genesce Farmer. Wheel Ploughs.

MESSRS. EDITORS :-- It is rather late in the season to talk about breaking-up ploughs. But I consider it of much importance, and hope it may draw out something from our brother farmers, that will not be forgotten hefore another spring.

We all know that the breaking of the "fallow ground" is the hardest job that we have in preparing the ground for the seed. It is important then that we manage this business to the best advantage. We have in our country a great variety of "patent ploughs," some of which we think good ones, and all undoubtedly real improvements upon the old fashioned ploughs. Of the merits of any particular pattern I shall not speak. I plough than a bad one.

but there is an article of gearing which I consider beam, as a guager. It is important that the land be ighed as nearly even as may be. With the wheel can manage this to your liking.

esides it is well ascertained that the team will pern the labor much easier with the wheel than with-

it. Some say that two horses with the wheel will orm as much and with as much case as three nout. I am not entirely satisfied that there is this erence, but there is no doubt a great difference in or of the wheel. My plan is to put on three horses. then let the plough go in according to the strength he team, I care not how deep. I think that we e not been in the practice of ploughing deep

t may be well to describe the manner of fastening wheel to the beam. There are several different es of doing it. Some mortise a hole through the m just back of the clevise, large enough for a stout of iron, which is split at the bottom, or another readded, and spread so as to receive the wheel. mortise should be secured from wearing on cach of the beam, by fastening on wide stout band iron, a bole through of the same size. The end of the that runs through the beam has several holes nigh it, so that it can be raised or lowered at plea-, and fistened through the beam with a bolt. Aner way, and which I like the best, is to take two s of iron of sufficient size, bend them in a half nd form, with holes for the gudgeon of the wheel un in, at the lower part of the circle; one end of hars should have several holes in to raise or lowhe wheel. In order to do this, the bars must be t true of course. The wheel should be about S ies in diameter and about 2 inches broad.* The n for three horses should be made on purpose for use, with no set to land and an extra amount of h where the wheel is used, so that the plough will ine to dig into the earth. I have two beams for breaking plough, one for three horses and one for . It is a short job to shift them. The coulter is enerally used, that it will probably be of no use to ik of its merits. But I have written more than I A FARMER. ided. Irleans County, August, 1841.

> For the New Genesee Furmer. Murrain in Cattle.

A grain of prevention is worth pounds of cure. ive given my cattle for several years past, plenty alt mixed with equal quantities of house ashes. is of them have been troubled with the murrain, I believe it will effectually prevent it-only give in as much as they will est.

Cold Water

May be safely drank in hot wheather, provided a son will first wash his temples and wrists with it. ave tried it for years (with the above precaution) hout the least injury. N. Wichigan, August, 1841.

For the New Genesee Farmer. Disorder in Hogs.

Inder this head a correspondent in the last number he New Genesce Farmer, who signs himself W. respectfully calls for information concerning a ceralameness which sometimes attacks his hogs durin order that the wheel may not sink in soft ground, and etard rather than assist the plough, it should be as broad egara ramer man assist the proofin it should be as from as large as circumstances will admit, and it may be well the beam may be so made as to be considerably elevated, as to admit a larger wheel.—P.D.

you can find. It costs no more to make or buy a ling the hot season of the year. I have reason to attribute the lameness be complains of, to the clo.ing of the issues of the hind legs; which I think is caused creat importance in ploughing, that I am serry to invariably by inflammation produced by high feed, such is not yet in general use, at least in this part of as corn and barley meal, without first undergoing the country. I refer to the wheel under the end of process of fermentation. Having had several hogs attacked in the same way some three or four years ago, while being fed with the above-mentioned food. and every expedient in the way of common dosing proving mefficient, we had recourse to a neighbor of ours who had had experience in pork-making; he immediately informed us of the cause; we caught the hogs, and by a thorough rubbing of the pores or issues of the legs with a cob they were made well in twentyfour hours. No. Cortland, Sept. 21, 1841.

ENGLISH NEWS. Liverpool Grain Market.

SEPT. 3 .- We had rather more inquiry at this morning's market for wheat and flour, both free and in bond, and in the few sales which have taken place the prices of Tue-day last were obtained. Outs and corn meal were each dull of sale, but at no declare on their previous value. Other atticles in the trade met with but little attention, and no change in prices from the quotations of Tuesday last.

The Weather and Crops.

The beautiful weather has made a great and excellest change in the harvest, a good deal of all sorts of corn has been secured in good order, and many farm era in the Weald have carried all their wheat; but on the Downs, the quantity of weeds and green stuff in the barley, has induced the farmer to use every moment he could to secure that crop, and hence we see large pieces of wheat still standing out. Another week of fine weather will secure, protty nearly, an average erop of wheat, but of course there are exceptions.-Brighton Paper.

The wheat crops come to hand much heavier and The forward oats have better than was expected. been got in well, and the backward crops look prom-The late fine weather is expected to work approvement in the barley. The peas that have great improvement in the barley. The peas that have been harvested turn out well, and the beans are flourishing .- Maidstone Gazette.

The barvest has been generally good in the neighborhood of Newark, and in some places a good deal is housed; but the rain of Tuesday night has greatly retarded the harvest .- Lincoln Gazette.

The barvest of Tyle side has commenced, and will be general in this neighborhood in another week .-No new wheat has yet appeared in Newcastle market, but it may be expected that samples will be shown on Saturday next. It is generally considered that the wheat in the northern counties will be better in quality than that of the greater part of the southern districts. where the weather has been more unfavorable then The weather has been very warm and dry with ns. since our last .- Tyne Mercury.

The weather is very fine. We need scarcely add sun shines," and that the harvest is drawing to a close in our locality. The accounts as to the yield are very contradictory, some maintaining that it is an average crop, and others that it is nearly so - IVorcester Chronicle.

The harvest has become very general in the eastern divisions of this county; we observe fields cut on Palerton, Thorntonloch, Skatera, East Barns, Barneyhill, Onwellmains, Wester Parkerton, Brandsmill, field, West-Barnes, Belton, &c. The Barky and onts seem of an average bulk, the wheat generally "stocks" light. The weather has been but should it clear up, next week harvest will be gen eral .- Interness Courier.

About this season of the year, the good mothers and wives throughout the country, tax their ingenuty to the utmost to make pickies of every thing that comes within their reach. Nothing escapes them. pickle potatoes, and encumbers, and peppers, and to mutoes, and beans, and nasturtiums, in short, every borrowing of brass kettles and such a scouring, upon a standard.

and paring, and summering and stirring, as is going on from one end of our happy land to the other, is a antion to young tolks, for if one of these youngsters happen to kick up a row in the midst of this hurry and bustle, and thus interrupt the harmomous claus of pots and kettles, he is almost certain to have his bttle roundity pickled very handsomely, and at the very moment when he least expected or desired the layor.

We have just ht upon a receipt for making a glorious pickle, which we copy for the benefit of housekeepers generally. It is like all other pickles, about as indigestible as the doctor or the undertaker could wish, and would give Old - himself the gripes in live minutes it he were to swallow it.

Mangoes.-These are made et green muskmetlons, as late in the season as possible. The common musking-flous make the best mangees. A small paced is cut from the side, and the seeds carefully scraped ont; it is then soaked in salt and water three or four days; when taken out it is sprinkled on the inside with powdered cloves, pepper, nutneg, and filled with strips of horseradish, cinnamon, small string beans, small pieces of flag root, nasturinuns, small ontons, radish tops, &c. The crevices are filled with whole mustard seed.

The excessive fundness of these diabolical compounds, which prevails more particularly among the younger portion of the fair sex, is at once the cause and evidence of ill health. We have seen more than one of these loveliest creations of nature destroy her health and life, by the use of these unnatural summalants- actually pickle herself to death!

We advised the young men a short time since to marry, every mother's son of them, and we now advise them to be particularly careful of marrying girls who are rery fond of pickles, and will eat a half gallon iar full of them at every meal.

If they do not take our advice, and marry animated vinegar cruets, they may, perchance, escape being potsoned themselves, but they will assuredly have a weary time of it in this world, with their sickly, peevish, halt dead wives.

The danger we run in making these assertions, is The ladies will all be in arms, or rather in grent. ter it. We write for the benefit of posterdy, and if the present race will not do us credit for our good intentions, the next will - Hannibal Journal.

"Pearl Barley" of the West.

The editor of the (Detrojt) Western Farmer has politely sent us a small sample of what he calls " Pearl Barley." He save respecting it :-

"A new kind of barley has been introduced into Wisconsin by an emigrant. A gentleman at Green Bay, last spring, obtained a quantity of the seed and has raised 150 bushels. The seed came from Russis, and is a large plump kind, and weighs considerable more than our common bailey. A busbel weig's 69 pounds. It makes fine bread, and is nearly equal to It was sown on the 15th of May and harvestwheat. ed in July, and with proper cultivation, it will yield from 35 to 40 bushels to the acre.

We have a small quantity of it in our office, and invite the agricultural public to call and examine it. It is the best article that has ever came under our abservation At our request, a quantity of it will be sent to Oliver Newberry, of this city, and Wm. S. Maynard, Esq., of Ann Aibor, for sale."

The above named barley is not a new kind, but one which we have long known by the name of Tico-Roio ad Naked Barley. It bears long heads, and handsome grain which threshes out of the chaff like wheat. Small quantities of it have been sold at the Rochester Seed Store for several years past, but its cultivation in this country has never to our knowledge been found advantageous. Lawson, in the Agriculturist's Manual says, "this variety has been introduced to the metice of agriculturists at various times and under different names, but its cultivation has always been aboudoned, or at least, never carried to a great extent. The straw becomes very brittle and tender towards the period of ripening, so as to be unfit for supporting the cars."

From Manning's Book of Fruits

One of our heat European Pears, the "Duchess of Angandeme," when grown as a dwarf produces a fine an admirable state of villanous immaturity. Such a large fruit, but small and greatly inferior when grown

Chemical, or Prepared Manures.

It is sometimes asked, and that too in a way indicating a belief that the question cannot be satisfactorily answered, what are the advantages that science has conferred on Agriculture? more than intimating that knowledge, so essential to all other pursuits, is of no value to the farmer. It is a sufficient reply to all this, to simply point to the articles named at the head of this paper; chemical, or prepared manures. For the present we shall confine ourselves to a single class, those derived from urine and night soil, or of which these furnish the most important part.

It may be said that the use of night soil has been known from the earliest ages as a manure. This is true, but its use has always been limited, owing to prejudices arising from its disagreeable nature, and its offensive odor. The celebrated Swedish chemist, Berzelius, was among the first to call the attention of moderns to these substances by his analysis of them, which gave the following results:

The intelligent farmer will see at a glance that the matters commerciated in these tables constitute most efficient fertilizers, and in spite of their repulsive na-ture, the Flemish farmers have long been in the habut of mixing these stercornecous matters with water, which, applied with much labor to their fields, gave a fertility unknown to the rest of Europe Some 28 years since, Davy suggested to his countrymen, the English, that night soil was a very powerful manure, liable to decompose, soluble in water, and in whatever state it is used, furnishes abundant food for plants. He found, by experiment, that quick lime de-troved the di-agreeable smell, and ascertained that it might be dried, pulverized, and delivered by drills at the time of sowing the seed. The manufacture from night soil of the valuable manure, called pondrette, belongs to the French. Nearly 40 years since, a chemist, M. Bridet, obtained a paper for his pondre regetative, manufactured from the resspools of Paris; and such was his success that similar manufactories were erected all over the country, particularly in the vicinity of the large cities, so that what was once a nuisance, is now deemed of the greatest value.

In 1811, the French Royal Society of Agriculture granted a gold metal to Madame Vibert Duboul, who obtained a patent for 15 years for her "Alkaline Vegetative powder." Her plan consisted in formenting the most liquid parts of those matters, and mixing them with slaked lime afterwards so as to form a powder much superior and more dutable in its effects to common obudiette.

In 1818, it e first manufactory of "Urate" properly so called, was commenced near Paris, by the cliemnest Douat & Co., and the product was submitted to the examination and test of a committee of chemists and agriculturists, in which were included some of the ablest men of France. This commuteer ported that they had found the preparation is powerful on the dullest soils, that they recommended it should only be employed by skilful and discriminating farmers. On good soils, or in large quantifies, it gave such a growth of straw as to be farall to the maturity of the grain. The whole matter collected from the cesspools of Paris, is now converted into poudrette and urate, and is used by the farmers and gardeners, principally within a circuit of 30 miles around Paris.

A new preparation called "engrais animalize," or disinfected might soil, bas recently been entered upon at Paris, and a large manufactory has also been catablished at White Chanel, near London. It is made by mixing the night soil with a consider ble quantity of finely pulverized charcoat, and then drying the mass at a very gentle heat. Thus prepared it tesembles the friable mold, rich and dark, of an old hot bed, and is totally deviod of smell. The English farmers, if we may indee from their reports and purals, are highly pleased with this manure, particularly as a dressing for turneps, giving them a quick growth at the start, which is of great importance with the root. There is another preparation called "Owen's Animalized Carbon" principally brought into England from the Baltic, one to not which is consid-

ered cqual to 25 bushels of crushed bones, while the cost is but little more than half as much. It probably differs hale from the enginis animalize, except that it contains soore carbon, and, of course, is a less powerful manue.

There is a chemical preparation called "Seed Manure," prepared by Messra, Hodgson and Simpson, of Wakefield, England, the composition of which is a secret, but the base of it is, doubtless, urate, mixed with a portion of secharine matter, ammonisalt, and nitre. Their directions are as follows, and by following them Mr. Milhari and others have experienced the best effects on their clops.

"Dissolve 28 lbs. of this manure in a pail by adding water in suntl quantities stirring it at the same time, until the mixture is of the consistence of cream; it is then poured over the seed intended to be sown on anner of land, and the whole repeatedly turned over, so that it appears one uniform maxture; the seed is then to be spread out thin, on the floor to dry, for ten or twelve hours, and mixed with a sufficient quantity of soft or any kind of ashes, to render it sufficiently finible or fly to be sown by the hand or by the drill."

Prof. Johnson in his valuable papers on manure, has the following remarks on these chemical preparations of night soil, particularly the carbonized class, which, when properly made, he seems to consider

preferable to any other of its mixtures.
"The preparation of the Messrs. Pottevin of the engrais unimalize at London, is the same as that of M. Payen at Paris. It combines, and successfully too, the great object of driving off the water of nightsoil by a gentle heat, after all its gaseous matters have been absorbed, by mixing it with a portion of newly prepared carbon, in the finest possible state of division, than which, no known substance has such great powers of absorption of all enseour matters like those which abound in, and impart the disagreeable odor of night soil. The presence of the carbon in the ninnure thus prepared, is valuable in two ways; it gradually combines with the oxygen of the atmosphere, forming in the state of carbonic gas, the food of plants: and at the same time, all the gascons matters of patrefaction, with which it is saturated, are thus preserved, stored up, as it were, for the use of the ro ts of the cultivator's crops; nothing a lost, the emission of the gases from the slowly dissolving charcoal, being so gradual, as to be almost, if not entirely, imperceptible to the senses.

The justly tamons preparation, called as above "Unite," may be very successfully miniated by the common farmer who will take the pains to provide a reservoir or eistern for the preservation of urine, with which, when wanted for distribution with his seed, he must mix gypsum or plaster till the arine is absorbed, and the mass sufficiently dry to sow with the drill or by hand. This is one of the most powerful preparations on dry or sandy soils that can well be imagined, and is one of which every farmer may avail himself to a greater or less degree.

There are at the present time, two manufactories of poudrette and wrate in the vicinity of New York; and there is most abundant proof that it constitutes here as elsewhere the most valuable class of manures. That such manufactories will become common in the neighborbood of our principal cities and towns, where alone the materials are to be found, as the value of such manures, both for the efficiency and portability are better understood, we have no doubt. rapidly converting the vicinity of the principal European cities into a garden, and the use of these materials which have constituted the greatest nuisances and were most productive of diseases, into manures, will not have a better effect on the soil, than on the health of those congregated masses of human heings. Alb. Cultivator.

Tomato Figs. Patent Office. July 10, 1841.

DEAR SIR—The medicinal qualities of tomatoes have greatly increased their cultivation, and every new preparation of the setticle is deserving consideration. A sample of "tomato figg" has just been deposited at the Patent Office, of a superior quality.—From the taste I should suppose all the good qualities of the truit are retuned. In appearance, the dram of conatoes resembles one of figs so nearly, that they might easily be mistaken for the same.

The sample is deposited by Mrs. Steiger of this city, and the recipe transmitted with it is enclosed for publication. It is deeply to be regretted that since the periodicals of the day are open to communications, that so many valuable improvements are lest to the world, burely for the want of publicity. Others may

ered equal to 25 bushels of crushed bones, while the cost is but little more than half as much. It proba-

Very respectfully, II. L. Ellsworth Hon. J. S. Skinner.

Recipe.—Take six pounds of sugar to one pot (or 16 lbs.) of firmit. Scald and remove the skin the firmit in the n-ual way. Cook them over a fit their own juice being sufficient without the addit of water, until the sugar penetrates and they is clarified. They are then taken out, spread on dish flattened and dried in the sun. A small quantity the syrup should be occasionally sprinkied over the whilst drying; after which, pack them down in box treating ench layer with powdered sugar. The syris afterwards concentrated and bottled for use. They keep well from vear to year, and retain surpringly their flavor, which is nearly that of the best quity of fresh figs. The pear-shaped or single tomate answer the purpose best. Ordinary brown sugar in be used, a large portion of which is retained in is syrup.—American Farmer.

For the New Genesce Farmer.

TRUE GLORY. BY DEWITT C. ROBERTS.

Man seeks context on every shore— Where deserts spread—where oceans roar! What reeks be danger, toll or blood, By famine, shipwreek, field, or flood? What boots it where his footsteps roam, If he seek not the prize at Home?

Deluded man! vain dicamer! cease!
Say? what can set the mind at case!
Can gobb-loost straped from Afric's sauds,—
Can diamonds wrought by servile hands—
Can rapine, war, or murder yield
Aught, save to Fanne—abottle field?

Back to thy honest toils again!
Got speed the plough and tith eplain,
Thy bristing grain, in thick rows set,
Shall rival e'en the bayonet—
Thy make, arrayed along the land,
Shall image many an armed band—

Thy gold, the yellow maize shall be; Thy gents, the dews that deck the lea; Such be thy glory—such thy wealth; Thy rich reward, content and health— Not prouder spoils e'er won the bay, Or deck'd a Roman triumph day!

July 25th, 1811

Anti-Corn Law Agitation in England.

Papers by the Britanuin bring us the accounts of to opening or first days' session of the great Anti-Co. Law Conference of Ministers, at Manchester, on t 17th of August. More than 650 Ministers had a nounced their intention to be present. The people Manchester vied with each other in hospitable arrang ments to entertain the reverend gentlemen. To Conference assembled in the Tower Hall, the benef of which were completely filled. The Rev. Dr. 1 kin was called to the chair.

In his opening address he spoke of the present me ing as without a parallel among the councils and sy ods recorded in ecclesiastical history. Ministers Christ from all parts of the Empire, not in hostile ray, sect against sect, and party against party, with the narrow lines of sectarian demarcation, but occur ed with an object greater than that which could hare engage the minds of the most eminent Christians. They had met at the cell of suffering humanity, whi reached their ears, not from a foreign land, but fro the green valleys and populous streets of their own b loved land. At the outset, however, they were m by the question, "What have Christian men, and bove all, Christian ministers, to do with temporal po ities?" But when they became the denizens of an ther kingdom, were they to abandon the duties of thi It was not necessary, when they became Christian that they should cease to be men. For his own par he would have considered himself a traitor both to re ligion and humanity, had be refused to obey the sun mons to attend the meeting.

What was the present situation of the empire?— Here was a country great in arts and arms—the scho of science and literature—the mart of literaturs—the cradle of luxury—the emporium of the moral worldoccupying the highest position amongst surroundinations, and shedding its light over the most distalands. Yet this country, possessing within itself, it exhaustible resources, whilst it was the richest in the orld, was in one sense, also, the poorest. Its popution, instinct as it was with ardor, and unrivalled r its industry, was unemployed, and in want .-noms were silent-manufactories were closed-comercial men looked at each other in consternation and espair ! What was the cause of this extraordinary are of things? It was to be found in the laws which obibit the exchange of labor for food. The eyes of ie country were turned upon Manchester. It was ecessary, therefore, that those assembled should stand ear from all imputation, and it was most desirable int they should avoid committing themselves to any istinctive line of party politic, which might comrmly to principle, but avoid giving offence to any ne-uniting to the courage of the hon the gentleness the lamb.

Dr. Pye Smith followed with an energetic appeal the sympathies of his audience. He contended nat the Corn Laws were a part of teat vicious sysem of legislation which had its origin in the night of porance and barbarism. Some person objected to the part in the proceedings of the Conference beause they said it was interfering in a matter of fiscal muse mey sun it was interiering in a matter of useful gulation. Such ought not so to be received. He rotested against the doctrine that ministers of religion ught not to interfere with politics. The alternative owe presented to the country was this—removal of uquity, or the ruin of the nation.—Emancipator.

Irrigation.

The effects of running water flowing over grass unds, is so highly beneficial that every farmer should scertain whether there is not some portion of his ands which may be cheaply irrigated. We say cheapy, because the price of lands in this region is not high nough to justify such outlays as are often profitably nade in England and on the continent of Europe .he waters of many a small stream in our hill country, right by a few hours work with the plough, be caried along the hill-side in such manner that they would ercolate through the slight embankment and nourish vigorous growth of grass on all the sloping ground clow the dach or caust. This is cheap manure—aplying itself year after year-and long maintaining the ertility of the soil unimpaired. At the base of the ill it will often be necessary to open a drain for the rater which finds its way down. Should it come to flat and cold soil, as it often would, at the terminaon of the descent, that soil would be injured. While owing water is favorable to vegetable growth, stagant water is baneful. Wherever the farmer can ause water to flow over his grass lands without stag-Wherever the farmer can ating upon them, he will find grest benefit from the The following article from the Southern peration. The following article from the Southern Agriculturist, will be read with interest, though it decribes processes more expensive than most cultivators vill be ready to adopt.—N. E. Farmer.

WASHINGTON, April 2, 1841.

To the National Institution for the promotion of Science:

Since the brief statement of the advantages of irriration appeared in my discourse de ivered before the nstitution in January last, I have received so many pplications for information on the manner of water ng land, that I am induced to believe a more extended totice of the subject may be acceptable and useful.

The numerous and abundant rivers, streams, and

roo'ts, which traverse our country in every direction, afford great facilities for irrigating the soil, and thouands of acres of barren land might thereby be rendered as productive as any in the United States.

The thin soils, which drain and dry easily, profit nost by the use of water, and are the least productive without it. The gravelly, sandy land of Chile pro-luces by irrigation, upwards of thirty bushels of wheat to the acre, and the poor lands in the neighborhood of Mexico, are made equally productive by this process. The great advantage, however, to be derived from he free use of water is not so much in the increase of grain, as in that of grass crops. A water meadow attached to a farm, gives the farmer an abundance of manure for that portion of his land which he keeps in tillage; for he may convert into dung the whole of the any it produces, while it requires nothing in return but watering

In the Carolinas and Georgia, the low lands bordering on the rivers are irrigated as high up as the influence of the tide extends for the cultivation of rice. The wates is admitted into ditches parallel and perpendicular to the river, and thence distributed by feeders over the whole surface, so as to drown the land, by opening the sluices when the tide is rising; and after keeping it there as long as is deemed necessary, it is

let off at low tide. This method might be practiced with great advantage on all the tide-water rivers thro' out our country, where the banks are low enough to admit the water at high tide. Flat lands that have not the advantage of tide water, are the most difficult to irrigate successfully, for it is essential that when the water is let off, the land should be drained perfectly dry; otherwise it will produce coarse grass of inferior

Lands that have a gentle slope, even steep hill side, are better adapted for irrigation, as they admit of the water flowing over them without covering the top of the plants, thus giving them the advantage of air and moisture. A gentle current is considered more advantageous than stagnant water, and the land thus situnted will always drain dry when the water ceases to flow. On level land it is necessary to conduct the drain so far that it may enter the river low enough to ensure a sufficient fall to dry the land.

Where the stream is rapid and the fall great, it is not necessary to construct any dam; but simply to tap the river high enough up to lead the water along the highest part of the field; but where the current is sluggish, the water must be raised by a dam erected at the point where it is to be used.

There are two methods of watering lands. one by dividing the field into regular beds, and the other by what is called catch work, which is resorted to where the form of the ground is irregular. It varies therefore with the circumstances of the land it is proposed to water; but the conductors, feeders, and drains, must be laid so as to profit by the natural movements of the soil both to water and to drain it.

The first thing to be done by the farmer who de ires to irrigate his fields, is to take an accurate level of the ground which he intends to water, so as to compare the highest part of it with the height of the water The surface of the water must be eight, to be used. twelve, or twenty incnes higher than that of the land, according to the distance of one, two, or three hundred yards from the one to the other. The main conductor is then to be cut from that point as straight as it can be, to lead to and continue along the highest side of the field.

If the land has any swells on its surface higher than the rest, it will be necessary to give to each of them its own conductor, with feeders branching from it, to convey the water over that portion of the field. width of the conductors must depend upon the quantity of water they are required to convey; and be deep enough to receive the muddlest portion of the stream ; for although the land will profit by being covered with clear water, it is more enriched by the deposit of turhid streams. Each conductor is to be provided with a sluice to regulate the admission of the water. In case the river does not run in such a direction as to allow the water, after flowing the land, to be discharged directly into it, a main drain must be cut along the lower part of the meadow to receive the surplus water and convey it to the river. This should be of the same dimensions as the principal conductor. The portion of meadow to be wate ed by each conductor is next to be divided into bods from therty to fifty feet wide, the feeders, which branch at right angles from the conductor, running slong the centre of them, except where the ground falls two ways, when it may be necessary to make the feeders nearer to one dram than the other. A bed two hundred yards long will require a feeder where it leaves the conductor to be twenty inches wide, and gradually diminishing in width to twelve inches the extremity. A drain is to be made between every two feeders, and parallel to them of the same dimensions, but reversed form ; the upper part being ten or twelve inches, and the drain gradually widening to twenty inches, where it terminates either in the main or in the river. Supposing these works finished and ready to go into operation, the manager opens the sluice to admit the water into the conductor, where he adjusts the stops in such a manner as to supply the feeders. He next regulates the stops in the first feeder, so that the water shall flow regularly over its sides from one end to the other. He then repeats this | rocess in the second feeder, and so on, until all the feeders are adjusted. The stops may be of pieces of heard or of turt pinned down, if neces The stops may sary, taking care to keep the heads of the pegs below the surface of the water, otherwise they are apt to edlect weeds and trash.

The profits arising from irrigation are so great that they will justify a considerable outlay. The works, therefore, ought to be well and durably constructed; the dams and sluices of the best materials, and able to resist the sudden rising of the water. The beds which as already stated, are to be from thirty to fifty feet wide, should be raised from one foot to fourteen inches for this purpose on one of their boots or shoes.

in the centre, so that the water will fall gently off from the teeders which run along their summits to the

I have endeavored to give such a description of the process of prigation as will at least enable a farmer to judge of the practicability of watering my portion of his land, if not to execute the work himself. Those who seek for further information on this important subject, may consult the works of Boswell, Wright, Smith and Johnson, London's Encyclopedia of Agriculture, and Stephens' Practical Irrigator. The con struction of works for arrigation belongs, however, to the civil engineer, and it is to be hoped that those of the United States will turn their attention to the cub-

Our extensive lines of canals may, for the most part be converted into conductors, and the water be beneficially used to fructify the country through which they pas:. If a blessing awaits the man who makes two blades of grass grow where only one grew before, the orrigator will be three blessed-for well watered land will produce at least three times as much grass as the same quality of soil under dry culture.

J. R. POINSETT.

Indian Corn and Sugar Beets.

We have certainly never had a more continued and scorebing drought in this vicinity than that with which we are now visited. The clouds sometimes roll up and present all the usual signs of rain; but it would seem that the dry and heated surface possesses a power of repulsion, or rather a lack of attraction, for the sun again breaks out with its wonted fires, and the clouds disappear as if they were in the

" Deep bosom of the ocean buried."

Pasture is dried up; potatoes, even those which were planted early, are nothing. But it would seem that a kind Providence has given us, in addition to winter grain, two articles of food for man and Least, which from their early rapid grow th and large conducting leaves, are cabable of subsis ing and thriving well for a long time, without other external moisture than the dews of heaven.

We have now Sugar Beets from 4 to 6 inches in diameter growing only 12 inches apart, they were transplanted early in June. We have corn planted 15th May in drills 3 feet apart; 8 to 12 inches apart in the drills, with 1 full ear and a nubbin on almost every stalk. Such a growth of Sugar Beets and Corn we have never had before in the same space of ground, in any one season. A masterly farmer in this vicinity corroborates on a large scale our small experience he also says that his clover hears the drought well.

We have no doubt but that the green stalks and Sugar Beets raised on a single acre would feed more cows at this time than all the pasture within a mile square.

A summer drought to some extent seems to us to be an annual occurrence in the champaign regions of Wes'ern New York. Hence the importance of a more general cultivation of those vegetable pruductions which thrive better in dry than in cold wet seasons. It strikes us that this kind of cultivation should obtain more and more, around our now rapidly increasing villages, along the caual and railroad; routes, where manure is cheap and plenty, and the laborers are not few.

Waterloo, August 23, 1841.

How to Cure Corn.

Cut it off at the ground, as every good farmer will do, then draw it off and stand it up against the crooks of the fences around the field, from one to two feet thick. It will cure much better and quicker in this way than if stacked in the usual manner; it is a saving of time; and the ground will be clear for putting in wheat if desired.

REMARK .- If the field is not very small, we apprehend will require the stalks to be placed more than one or two feet thick around the fences, unless the crop is very light, or the fences of other fields are used .- Ens-

Driving Nails Into Hard Wood.

We have lately seen another experiment of driving nails into hard seasoned timber, fairly tried. The first two nails, after passing through a pine board, entered about one inch, and then doubled down under the hammer; but on dipping the points of the other six or eight nails into lard, every one was driven home without the least difficulty.

Carpenters, who are engaged in repairing old buildings, sometimes carry a small lump of lard or tallow

TRIDITE CATTLE. SHEEP, AND HOGS,

I for Sale, ... The subscriber, wishing to dispose of part

(las turn stock, offers for sale the following valuable ani-

The thorough-bred short horn Bull, Young Armus, 3 years old, white; bred by Dr. Hossack of Hyde Pack, good pedi-

A thorough-bred short horn bull calf, 3 months old, from the stock of 1 atron Van 1-censelner, of Albern.
A supericy young back, sired by Thomas Weidle's imported Leicester; dam, an imported Cotwoold.
Three three-fourths blood yearling Cotswoold backs, and fifteen buck fambs of similar and higher grade; and a few we of the same character, if desired, and the same character, if desired, a fail blood Berkshire boar and sox 2, years old; purchater in the same character, if desired, it is a considerable of the control of the same character, if desired, it is been purchased to be a superior of the same character, if the same character is the same character is the same character in the same character is the same character in the same character is the same character is the same character in the same character in the same character is the same character in the same character in the same character is the same character in the same character in the same character is the same character in the same character in the same character is the same character in the same character in the same character is the same character in the same character in the same character is the same character in the same character in the same character in the same character is the same character in the same character in the same character in the same character is the same character in the same character

pure Leicester.

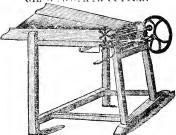
The above animals will be sold on very reasonable terms.

Part of them will be exhibited at the Monroe County Fact, it
not previously disposed of. They can be seen at any once at
the farm of the subscriber three-fourths of a radio southerast WM. C. CORNELL

FOR Sale, of about there are severy mody situated, near the pleasant vallage of Palmyra, and comessing in part of the pleasant vallage of Palmyra, and comessing in part of the pleasant vallage of Palmyra, and construction for the constructions of lag to the area immally, or it is posturage for cows. It has a good stone house and other improvements. Diver crassonable and terms cosy. For further particulars, apply, (aftr pleasant particulars, apply, (aftr pleasant particulars, apply, (aftr pleasant particulars, apply, (aftr pleasant particulars, apply, (aftr placet, post pand, to 1.4, THOMAS.

Maccolon, 9 ma : 15-H. Maccolon, Wayne Co., N. Y.

GILSOYS STRAW CUTTER!



DEFIDEDLY the best Machine Luown in these parts, for cutting fodder, for safe at the Ser distorc.

M. B. BATTHAM.

PLUM STONES-wanted immediately, at the Seed

A PPLE TREES FOR SALE,—The subscriber A has constantly for sale at his nursery on Main st, one needs of the bridge Roberter, a choice assortion of graffel, pile trees, of large sleep warranted or the kinds reported by the properties of the pile trees, of large sleep warranted or the kinds reported by the properties of the pile o

CARDEN SEEDS in Boxes,—C. F. CROSMAN Crespectfully informs his country friends and enstoners, that he will at the usual time, be prepared to supply them with first assortments of garden seeds, or his own raising the first as the is confident will give satisfaction. Rochester, Oct. 1, 1841.

MILLET SEED, wanted at the Rochester Seel

MOUNT HOPE GARDEN & NURSERIES.

MOUNT HOPE GARDEN & MURSERIES.

ROCHESTER, NEW YORK.

THE Propietors of this Batabilishment offer for sale a genueral assortment of Nursery articles, comprising Fauta Demonstrates, Thisps, Hyaciache, and other Bullons Flowerings. Bothe Dalbits, &c. &c.

Bothe Dalbits, &c. &c.

India, Control of Green and Host Particles, Capitalians, &c.

Intelligence of Green and Host Particles, Capitalians, Chinese Monthly Roses, Camelta Japonica, Chinese Azalens, Capitalians, Villa of Particles, Capitalians, Capitalians, Will be promptly and finishfully executed and charge or small, will be promptly and finishfully executed and charge or small, will be promptly and finishfully executed and charge or small, will be promptly and finishfully executed and charge or small, will be promptly and finishfully executed and charge or many rely on having their articles securely packed. To such greens as a set adout forming more establishments or who may wish to dispuse of Trees, Shrubs, Plants, &c. in their meightorhood, our terms will be very live and Gardens and Pleasure grounds will be faid out in any part of the country and skulful gardeness furnished on reasonable motice, and information on any subject connected.

soughte notice, and information on any subject connected, with the notices will be cheerfully and prayingly inparted. It is expected that persons unacquainted with the proprietors will cittle accompany their orders with a remitting or mane a guarantee in the city of Rochester or vicinity.

N. B. Our Fruit Trees compiles the most designable called a notice of the properties of the most designable called and lade value cities and the thinost cert has been taken in propagating from such trees only as were in a hearing state and wance qualities have been called as the most qualities have been sufficiently to ed. and whose qualities have been sufficiently tenel.

PRITT TREES.

THE subscribers have for sale, at their Nursery, near
Mucedonville on the Etic enals,
3000 Peach trees, of theifty growth, at 25 ets. each, \$20 per

@ Cherry trees, (-cedling stocks,) from 3 to 5 ft. high

700 Apple trees, 3 to 7 ft high, 25 cents each, \$15 per 100. An I in addition, a few hundred pear, apriced, and necta-tine trees, of smaller size and of the best varieties. The Peach trees consist chefly of the following varieties:

The Peach trees consist chiefly of the following varieties: Early Ann, Early Tillotson, Laige Bed Rarring, Early York, White Imperial, Royal Kensington, Scabolt's (Israe real) Yellow Alberge, Red Check Malaroton, Law York, and Heath, forming a succession of fine fruit for more than two months.

iwe months.

The varieries of the apple are, Woolman's Barly, Yellow Harvest, Bough, Sine (Ina Non, Buffington's Barly Strawbert, Rombe, Belfidwer, Swart, &c.

The Cherries melide the May Duke, Barly Richmond, Back Tartarian, White Bartanan, Black Corone, Thomposter, and the strain and the strain of the strai wed fruit in the possession of David Thomas of Cayegacomety, and no pairs have been sparred by the subsciners in evening ther list of varieties for examination, selections trom which, in addition to the above, will be offered to the

trom which, in addition to the above, will be offered to be public next years are a different of Thomas & Smith, Allocation of the strength of the public strength of the strength of the will be faithfully and bromply attended to. Orders may so be left with David Thomas, near An ora, Cayna county as the faithful braid Thomas, rear An ora, Cayna county Purchasers will please state when any observious is given the subscriber as set to selection.

Macolom, Sm. 1-11.

J. J. THOMAS.

SUMMER ALL THE YEAR. THE subscriber having obtained the sole privilege of manufacturing the

factoring the MACEDON ROT AIR FERNACE.

Is now prepared to execute all orders for warming dwelling houses, academics, churches and other public buildings. The entire plan has undergone a thorough revision; and

no expense has been spared, to render the whole as perfect as possible!

The testinonials annexed from gentlemen of the highest respectability, leave no room for doubt, that,

Feath, Confort, and Leonomy, will be greatly promoted by the adoption of the nice

The subscriber is pledged to furnish the castings, put

The subscriber is prefered to turn at the castings, put up in the best style, at it involved and moderate rate; having full confidence that he will be sustained by the merits of the invention, and the discernment of the community, communications; post, paid) requesting information, or abeing orders, priority the attended to, if addicessed to Wan. R. Smith, Maccdon, Way are County, or to

Union Springs, Cayaga County.

Testimonials.

Testimonials.

Soon after the present/car commenced, thad a hot-air formage erected, withdrains of Win R. Smith's invention. The middle sand parity of the air that flowed into the reams, was all that could be wished; and on my health the cliect was eminently herefaid. I had been subject to colds (catarris) every winter for a long series of years; but from the time of kinding the fine in the furnose until it was discontinued hate in the spring, I was entirely free from every symptom of the kind. teptom of the kind

Three rooms were warmed by this furnace. From either of them when not occupied, the hot air was turned into the others; and on the reverse, if it was suddenly wanted, by opening its ventilator nod closing the other for a few mi-

other in the ventual representation of the variable before a common free enable to well-knowled a conformable before a common free enable to well-knowled from regard to the saving of fuel, I am not prepared to set any thing the finitely s have seen nothing to induce me to question the very favorable statements of others. The excuption from the dirt and noise of earlying in wood, and exemption from the dirt and noise of earrying in wood, and the ex-dusjon of wood-baxes, are items of some account; but the saying of labor in preparing the wood, is one of great value which in some accounts.

value which in many cases doubles or trebles its original ... I using this furnace, we were also free from the constant

In using this number, we were also free from neconsisters of attending these incold weather, because it admit large wood in such quantities at a time as to serve tor several horse, if the dampers are well regulated. In this way the house may be kept comfortable through most of the might without any attendion whatever, and perfectly safting the first property of the property of th

Greatleth, Cayrea County, Sun. 22, 1-11.

MONROE HORPICULTIPERA GARDEN
AND NURSERIES.
GREERE, AND REGELESTER, MONROE CO. N. Y
A GREATLY increased Stock of Pmit Trees, Our menital Trees and shrinks, Rerbaceous Plants, and Industriated to rare Green House Plants and Bullous roots
constantly for sale.

The suck of Peach and Cherry Trees on hand at the prediction of Rege, of young and thrifty growth, and were
superfield. They will be guaranteed to be farme to the kind represented.

Ornamental trees and shrubs, of many kinds, of large size,

Origination rees and success, or many enclosed, will be only swith due references, or many enclosed, will be observed by exemied, and trees and plants packed in a genre-manner, so that they may be carried to any part of the coun-tions.

try with safety.

Trees and plants will be delivered on the Ecie Ganal, one alle from the nursery, or at Rochester, or the steamboat Landing, if desired.

Catalogues can be had at the Rochester Seed Store or can

Catalogues can be not at an expensive over concept of cases at to applicants per intil if requested.

Address, ASA ROWE.

Grace, Monroe Co. N. Y., August, P. H.)

PRINCE'S NURSIBIES AND GARDENS
—The New Catalogues are now ready for distribution
gratis, to those who apply post paid per mail. They com
p be the himmense assortment of fruit and orn mental tree.

p ise the immense assortment of fruit and orn; ment; I trac-stratibery and plants, Clinic roses of 150 varieties, bulbon flower roots, splended dalities, green house plants, garde.

A discount of 16 per et is made where easily or a first o some city is sent with the order, as then all trouble et col-lection is sayed. Orders per mad to Ww. R. Prives, we receive prompt attention, and he executed in a manner the range facility of give satisfaction, and will be forwarded as de-

Also, for sale at very low rates and liberal credit, 160,00 Also, for safe at very now rates and mertal ere or, magos fullecties of the choicest kinds for silk, comprising the null ticaulis, alpine, alata, expanse, morettl, fromssa, &c. As two of our green houses have to come down on account of streets

will sell 5000 green house plants very low. Finshing, (near New York,) Sept. 1-11. RATES OF UNCURRENT MONEY.

| Specie, | Spec Maryland, 6 a 7 do. New Jersey,
Suspisin Bridg 3 a 7 do. Canada, 2 0 5 de

RUCHESTER PRICES CURRENT. CORRECTED FOR THE NEW GENESEE FARMER, OFFI BER LISH

WHEAT,..., per bushel,.... \$ 1,18 a \$ OATS, "
BARLEY, "
RYE, "
BEANS, White, "
BEANS, White, "
OTATOES, "
APPLES, Deseit, "
COURS of the light of t 41..... 56 623.... 621.... 33 31..... 28 £5..... FLOUR, Superfine, per bbl 5.75..... 6.00 " Fine, " 5,60 5,25 SALT. " 1,38 1,50 PORK, Mess, "10,00 10,50 Prime, " 9,00..... 9,50 BEEF,per 100 lbs..... 3,50..... 4,60 EGGS,per dozen, BUTTER, Fresh. per pound 14..... 19 10, 9..... 10 6.... LARD, 6..... TALLOW, Clear, " ... 8..... HIDES, Green " ... 5..... PEARL ASHES, ... 100 lbs. . 5,00 " " .. 4,50..... WOOL,pound,... 30..... HAY,ton, ...12,00.....14,00 GRASS SEED,....bushel,... 1,50..... 1,75 FLAX.... " " 771...... PLASTER, (in bbls) per ton, . 6,00...... bulk (at Wheatland), 3,50

The Wheat market has been very fluctuating during the past month, owing principally to the variable accounts from England. First, news came that the weather was very unfavorable there, so that prices had materially advanced; consequently prices advanced here also. But later arrivals have brought intelligence that the weather had improved, and prices had decline i; accordingly prices have declined here also From our latest advices from England (Aug. 1,) it is quite evident that the wheat crop in that country will not fall much if any below an average; so there was every prospect of its being secured in good order, and that it is not probable that very large orders will be sent for flour from this couptry, and we see no reason for anticipating much rise in the

NEW YORK MARKET, Sept. 24.

price of wheat or floor.

MEW YORK MARKET, Sept. 24.

Flour is a shade down, with a fair domand. Genesce has been sold at \$6 57 a85; though no farge fors could be had under \$6 11; Olio in tound house, fresh, sold at \$6 57. Southern Flour \$6 50002; a safe was made of Rye at 754 taken in the slip. Jersey corn i, 71 cts bats. In receipts of Flour are on a liberal scale; so far this mouth, the quantity discharged from the Eric chand is greater than it was last year, and the slip of the state of the

Cincissnati, Sept. 20.

Thoughthe Flour which arrived to-day was not for sale, and no sales have been made from the canal. A few wagen to als have been sold at \$5.55 a \$3.31.

Why at has again advanced and now commands \$1a\$166.

according to quality.

The receipts of wheat to-day are near 25,000 bushels, and the market is very much depressed. Sales from boats, of 1,000 bushels from Circleville at 110 cents. 1400 bushes from Newcomerstown at 115 cents, and 1300 bushels from Massi-

on at 117 cents, are all that have come to our knowledge 500 bushels of corn sold at 47 cents. 200 bills of flour "Adams" brand at \$6 from boat.

Petroit. Sept. 21.
Flour sell this morning at \$5.10. The news however, by the Section Section of the section of

B. BATEHAM, Proprietor.

ROCHESTER, NOVEMBER, 1811. NO. 11. ON. 11. ON. B. BATEHAM. VOL. 2. M. B. BATEHAM, Editors.

PEBLISHED MONTHLY. TERMS,

IFFY CENTS, per year, payable always in advance, ost Masters, Agents, and others, sending money free of tage, will receive sees copies for \$3,-Tecles copies for \$70.000 for the control of \$10.000 for \$10.000 fo

-Turnty-five copies for \$10.

The postage of this paper is only one cent to any place him this state, and one and a half cents to any part of United States, ddess M. B. BATEHAM, Rochester, N. Y.

CONTENTS OF THIS NUMBER.

mutario co. Ag. Pair. ruga co Pair. Corthand co. do. Great yield of Corn nesce co. Ag. Fair—Premium Ploughs. iroc co. Ag. Fair, Reports..... 166 e co. Fair.

tham Short Horn row Gypsey, (engraving.) Mr. A.

Allen's Importations of Stock. Oncide co Fair.

eraps.
Correspondents Triat of Ploughs at Syracuse The Co-respondents Trial of Ploughs at Syracuse The lessan Fly an Jother What Insec's 69 frees at Rochester, by E. Darwin Smith, Esq. 1904. Y. Srite Ag Pair, a' Syracuse. 172-3 at Tayle—B. Rish Corn Laws at the lowest scale of July. Accommodations at Syracuse. Miking propaty. Accommodations at Syracuse, ties of Darham cows.

in Michigan. Cause and prevention of decay Sugar fr

-Wheat Culture. Advertisements, Prices &c.

the Readers of the New Genesee Farmer,

t will be seen, by a notice on the last page, that co-partnership which was formed one year ago beeen myself and C. F. CROSMAN is dissolved, and I again sale proprietor of the New Genesee Farmer. ake this opportunity, therefore, to tender my acwledgments to the numerous friends of the paper the favor which they have shown it, and especiala those kind friends whose writings have contribde largely to its popularity and success. years of incessant effort, I am exceedingly gratiwith the present condition and future prospects of publication. My health is somewhat impaired, so it is necessary for me to seek relief or assistance : believing that the aid of some person can be ined, who is better qualified to do it justice, I e determined to relinquish the charge of the paper ron as I can place it in suitable hands. Several I know a individuals have been conferred with on subject, and it was hoped that the new strangent could be announced in this number, but it is nd necessary to defer it till the next. In the meane, a new Power Press will be obtained, and other lities got in readiness for commencing the new ume in superior style.

n order to complete the arrangements, I find it essary to go immediately to Boston and New rk, so that I shall be absent from home for two or M. B. BATEHAM. ea weeks.

Rochester, Nor. 1, 1811.

Prospectus for Next Volume.

Not having completed our contemplated arrangeints, we have concluded to defer sending out a prosetus, till next month : but we wish to assure our ends that this paper will go ahead next year-no stake. It will be improved in matter and appearce-price only 50 cents. So, reader, when you I for your next number, be prepared to bend your it naster half a dallar for us, and don't forget to your neighbor to dolliers se

Terms for the Next Volume.

Depending on an immense circulation, we shall not mercase the price, sithough our expenses are greatly mercased. But we shall have to maist on a more strict construction of our terms.

1st. Payment must in all cases be remitted before the paper will be sent, as we cannot keep so many secounts and collect the amounts.

2d. No commission or discount can be allowed to Postmusters and other Agents, usless the money sent is at par value here. Uncurrent notes of all solvent banks will be received in payment where no commission is desired.

Please to remember that all subscriptions for this paper must commence with a volume, Many persons have requested us to violate this rule lately, but we always send the back in mbers of the current volume, or else let them wait and begin with the next.

Engraving .- * Portraits of Animals.

We intend in our next number to give a spirited portrait of the beautiful Short Horned Bull, "Archthe property of J. M. Sherwood, E-q., Anburn, which took the first premium at the State Fair. We have also ready for the engraver, portialts of two superb heifers belonging to J. B. Dill, Esq , Auburn, both of which took premiums at the Seneca county Fair; also of several time animals belonging to J. C. Hathaway, Farmington. We intend these portraits shall excel any pictures that have appeared of late. But our readers must bear in mind that they cost us a great deal of money and we shall call upon them to lend us a belging hand in a month or so.

Still Another Agricultural Paper in Boston !-We noticed last munth the Farmer's Journal, and now we have before us several copies of the Boston Plonghman, a lively weekly sheet, edited by Wm. Buckminster, the former editor of the Boston Cultivator, which paper he left on account of some misunderstanding with the proprietors. Mr. B. makes an interesting and useful paper, worth more than \$2 a year, the price of subscription.

Hints for the Month.

The principal work at this season consists in finishing the out-door work, and preparing for approaching winter.

Cellurs should be properly secured from frost

Potatoes in heaps and elsewhere, should receive their final and full covering.

The same care should be given to beets.

Rata bagas, if not harvested, should be speedilytaking special care to ventilate the beaps as recom mended and described on former occasions.

Pumpkins, where farmers have them plentifully, as all good farmers ought to have for mileh cows, should he preserved from frost, or they will soon be good for nothing, instead of being sound for use through win-

Tools should be collected from all quarters, and be carefully housed. Do not forget the plough, harrow, cultivator, cart and wagons, horse rake, spades and shovels, hoes and picks, wheel-barrows and handcarts, and whatever else of a perishable nature,

Plough all ground, intended for spring crops, now, practicable.

See that drains are in proper order to perform their work effectively as soon as the first thaw may occur. Plant and some garden suchs, of all plants which analy together,"

endure the frosts of spring, and early crops will be the

Remember the wood pile for winter use, and have plenty.

And whenever the weather is pleasant and open, do not fail to plant ornamental and fruit-trees wherever they are needed-and the former at least are needed everywhere. If you cannot plant many, plant a few--keep at it-a little at a time will accomplish a great deal by perseverance--" non despairo !" as the young latinist said-" many a little makes a mickle."

Effects of the Drought and the Latter Rain.

At page 133, we gave some account of the late drought; but its effects in conjunction with the latter rains, on some fruits, have been very singular. Nearly all the pears on the south side of a large Summer Bon Chretien tree, which were most exposed to the sun, withered and shriveled with large wrinkles. When the rain came however, the hollows swelled, and the surface became even; the pear took a new start; and though not so large as those that ripened earlier in the season, they still continue green (10 mo. 25,) more than a month after the usual period.

A tree of the Rousselet de Rheims is now in fall begging with pears not one half the usual size. Those are spread however, regularly over the tree. If they were worth gathering, they might pass for winter pears, though they usually ripen six weeks earlier than the present time.

The Blue Gage shows a still greater difference in the time of ripening. More than two months ago, the fruit began to crack and drop from the tree; and though small on account of the supersbundance, it was delicious. After the rain that immediately succeeded the drought however, the truit ceased to fall; and much of it now, even at this late period, remains on the tree. We have no recollection of any similar in

The effects of drought and hot sunshine en different fruits is not regular -- the ripening of some being hastened of others retarded, while a third class is not materially affected either way. The Gravenstein apple has matured earlier than usual, but the Sergiaborry apple later. Grapes have been hastened-peaches retarded.

A Julienne year tree during the drought, dropped all its leaves; but when that was over, it revived, and one branch is now in full flower.

This variety is more impatient of drought than some other kinds. A spront from the stock, had shot up unobserved, among the branchs; but when they dropped their leaves, this sprout was detected by appearing in full foliage, green and vigorous.

"Why is it that the love of flowers tales such deep hold of the heart?" Why! Why it is because hold of the heart?" Why! Why it is because they are the emblems of love Show me one who does not feel his own heart expand as he watches the expanding beauties of some delicate flower, and you will show me one who knows nothing of that pure and periect affection of the heart which binds the humes

For the New Genesee Farmer. Foot ail in Sheep.

Messrs, Editors :- Noticing an article in the last Genesee Farmer on the subject of foot 10t in sheep, in which the writer says he has prevented the disease by paring off the under side of the hoof, I am induced to trouble you with a word on that subject.

I do not know but paring the hoof in the manner he suggests may be beneficial, but I doubt altogether that it produces the effect the writer supposes. I think he mistakes the nature of the disease; I do not consider it to originate in the ball of the foot-the part covered by the envelop which the writer would pare off, and of course do not believe, as he supposes, that the disease is generated by the filth collected in the foot, and pro eeted and retained there, by that part of the hoof which grows over the sole of the foot.

The disease commences between the claws of the foot, at the spot where the horn of the hoof unites with the flesh. At its commencement it exhibits the appearance of a slight inflammation as if chafed or scal-The animal at this stage is slightly lame. It soon becomes a sore, with slight maturation, which is somewhat fetid. It now attracts the magget-fly and is soon filled with maggets--unless destroyed, they consume shortly the entire bal of the foot. If the fore foot is diseased, being brought into contact with the side of the animal when in a lying posture, it deposits on the side some portion of the fetid discharge. This attracts the fl ; and the side is soon alive with magots, which cat through the body in a few days, thus causing the death of the animal.

Now I have no idea that the theory of the writer alluded to above is at all correct, nor that his remedy of paring the hoof is a preventive of the disease.

I suppose the disease originates in natural causesthat it is immediately induced by an acrid state of the finide of the animal-that in certain seasons and locations it will prevail, and at other times will not; that the discharge from the large pore or issue which exists in the leg just above the parting of the claws being diseased and acrid, scalds the flesh between the claws-which is always tender-the part becomes inflamed-a fetid maturation ensues-the fly is thus invited to his work, and soon completes the mischief .-What may be the remote cause of the disease, is not certainly known; whether the wetness or dryness of the season, or the food of the animal, or some noxious or poisonous herbage may or may not be concerned in it, I cannot say any more than I can tell why the mfluenza or other epidennes should prevail at certain times and not in others, or why all the members of a family circumstanced alike, should not be alike affected by it.

The disease seems to be, with us, one of modern introduction. We have known it only a few yeara --It is a calamity, and the part of wiedom is to discover its cause, if possible, a) as to know how to apply preventives -- in failure of this, to learn the nature of the disorder, so as to apply suitable and efficient reme-

An opinion prevails, that it is infectious. I do not yet believe it is either contagious or infectious-either communicable by the presence of a disensed animal, or by matter deposited on the ground and received by a sound foot by treading thereon. I have no idea from observations hitherto made, that the disease is thus communicable. It is possible, I allow, a: d therefore I have for experiment, separated the diseased from the sound. But I have found no unexpected increase of new cases, when they have been all together, nor has there appeared to be any diminution of new cases when they have been separated. When the animal has been long confined to low moist ground, and the senson has been wet, I have imagined this might be the originating cause. Again, when the season has put in the lime four inches deep, placing it before the

been uncommonly dry, as during the past summer, and the disease has prevailed, conclusive evidence is furnished that the character of the season in this respect is not the cause. At one time I have imagined that poverty of condition might bring it on, and at another time this opinion has been met by the fact that sheep fit for the butcher's stall have been equally affected with those that were poor and thin.

I have been conversant with sheep husbandry for many years, but have known nothing of this disease until within four or five years past. In reflecting on the subject, I can realize no difference in the care and management of my own flick between the last five years and any former period, except that formerly it was my practice to keep in their pasture, troughs always supplied with salt, protected by a rail over the top, supported by stakes, so that the animal could have access with the head to the salt, but could not get into it with the feet to soil and injure it. This practice has been neglected for a few seasons part, and salt has been fed out occas onally to the flock during the sea son. Whether this change has had any influence in causing or aiding the disease, I know not. I can however, realize no difference in their circumstances for many years, except in this respect. Although we consider salt necessary for the health and comfort of the animal, and that nature will dictate just the amount needed when a supply is always at hand, still it is by no means certain that the want of such supply will cause or aid the disease-we can only say it is possible. If the theory is correct and reasonable that the local discase commences in an aerid discharge from the pore or issue above the foot, and if an unrestricted use of salt would have a favorable influence on the fluids and secretions of the animal, then perbaps its free use during the summer might prevent the appearance of the disorder.

This disease is not necessarily incurable or fatal but it is an inconvenient and troublesome malady and requires some labor and attention to subdue it.

As to the remedies. Lime-being a powerful antiseptic should be employed as a prerentire and remedy in the first stages of the disease. Let the flock be made to pass through a small bed of lime once a week from the last of June until the first of Septemher. Collect them into a stable or pen, and make it necessary in going out of it for them to pass through a passage some three or four feet wide, and twelve or fifteen feet long, the floor or bottom of which being covered with finely slack lime, about four inches deep. It will enter between the claws, give healthy action to any small sore and correct any irritated discharge, thue preventing the invitation of the fly. In place of this, a little Blue Vitriol, finely powdered, and applied to the diseased part, will immediately dry up and heal the sore. If the foot is badly disensed, and maggots are present, pare the hoof so as to expose them and apply spirits of Turpentine which will instantly dielodge and coon destroy them-use a probe to be certain that they are all removed, and then apply the blue vitriol to the diseased part. As the foot in this case will be sore and tender for some days it will be necessary, in order to prevent a return of the fly until it becomes sound, to apply tar freely to the foot, extending the tar an inch or two on the leg above the hoof to prevent the fly effectually from approaching it. It will also be necessary to examine the hoof carefally once in three or four days until it becomes per feetly sound. I think much of the use of lime, as above suggested, both on account of its efficiency and the faciltie of its employment. I use for this purpose the common portable sheep rack in which hay is fed in winter, about twelve or tourteen feet long and two and a half wide. I nail to it a temporary bottom and

gate or door of the stable or pen in which the shee are enclosed, and leaving the stable they pass in a feet moments through this passage of lunc. I recommend this practice argently to farmers who either hav the disease in their flocks, or who fear and dread it approach. I have made these suggestions, Mr. Editor in the hope of drawing the attention of farmers to this subject, that flocks bitherto sound, may, if possible be so preserved, and that those which are disease may be restored and a recurrence of the disorder b A FARMER. prevented.

Brighton, October 11, 1841.

Early and Late Fruit -- Village of Aurora. Lovers of fruits and flowers, and the early things the garden, were you ever at Aurora, on the easter shore of Cayuga Lake? It is a quiet, unobtrusi village, where the nich live in great samplicity-tl poor, with decent comfort. Here are green pens ! lst June, ripe potatoes and apples in July ; the me delicious plums and peaches in August; and, at the time, such high flavored clingstone peaches, grap and apples, as few other places can boast.

Tis said that when D. T. comes down from I sparkling Eden at Great Field two miles east; he can his eye at the precocious vegetation of this lake-warr ed spot with a sigh, not from envy, for his omnopre ent christianity ejects the feeling, 'tis only an em tion of regiet, that Flora and Pomona could not thus propitiated at his more elevated location.

I have often heard it enid that reaches did t thrive on a clay soil, but here are the best peaches the world, growing in great veriety, on a hard cale reons clay relieved by stable manure slone. T trees are never pruned, the soil around them is ke loose and entirely clear from grass and weeds.

Reader, if you never saw a village where fences a locks were annecessary to prote t the fruits and flu ers from biped depredation go to Aurora: Here Fall Poppins, Pound Sweets, and Brush's Nonesur lying in heaps-ail who run may cat with impuni the balance is fed to the caule.

It has been said that a poor man cannot live in I rore, but the following anecdote will show that a pe man's widow is of quite a different opinion. A f vents since, a laboring man of this village remov with his family to Indiana, where he afterwards d of a congestive fever, leaving his wife and children destitution. The shrewd widow immediately wr to her former neighbrs at Aurora, soliciting th charity; the result was that a purse was made up her relief, which was remtitted to her by mail; w the widow oponed the letter, she held up the se, fund bills to the astonished gaze or the long Hoosiers, saying there was more where that co from, and that every dollar of this, should be expeestin paying her passage, and that of her child back to Aurora. She did come back in the cheer! month of November, but so far from finding a cold cention, the regital of one half her sufferings, suffito unlock every female heart in the village; a gent contribution took place, one furnished a bed, and chairs, a third a table, knives, forks, &c. &c. 1 widow and her little ones are now the comforta tidy, industrious poor ones of Aurora, who are o poor in comparison with the general thrift which e rounds them.

Here is an Academy well endowed, and wha hetter, cheaply and thoroughly conducted. A stra er would almost imagine himself at times in a flee steam boats, or on board of a man of war ; so of both late and early, does the bell strike, summon the classes to recitation. 'Tis said that the only pi ishment the principal inflicts on a dull idle pupil, is recommend him to go where he will be required study lest.

Ire are an Episcopal and a Presbytetian of fice, grey are not well supported; there are always too prophesyers in the camp among the rich; God generously sheds the comfaits of his religion on twive hearted, causing him to rejuce in the privialf the tabernacie, " where the face of the man meneth that of his friend."

here are lawyers here, but they are not carniver-The resident physician loves miture for her fair self, and science for the good it has done to cine, not for the benefit which medicine has condon science, as some of our latter day lights d have us believe.

on of the pent up city, who live where the strug-, yet Herven-protected flower in Piecioli's prison takes no root; where puny infancy-the paller dalescence, the premature decay of riper age, ks the violation of pature's laws; if you want to the slip to corporation taxes, breathe a pure air, your own vegetables, fruits and flowers, feed own cow and keep a pig, without being classed our neighbors among the unfashionable, gy to S. W.

aterloo. October 2, 1811.

n Important Discovery in Agriculture.

ue following article from the N. Y. Evening Post nins some new, and if us , very important discovin wheat growing. There appears to be much sibility in the arguments, but for various reasons tre inclined to think the account is somewhat exrated. Still, it is well worth some experiments, we have no doubt many of our readers will test matter for themselves next scason.

the Paulange, a Fourier paper published at Paris, . S.h, a novel discovery is described, which, if , will work a great change in an important depart t of agricultural labor. It is communicated to Paris print, by Camb's Poillard, and M. Bernard, date their letter at Brest, August, 1841. It aps that while they and some of their friends, who their own estates, were engaged in conversation he subject of agriculture, it was observed by one bem, that that branch of industry was suffering e from the want of capital and enterprise, than other, and that nothing was to be done without ture, which was every day becoming more scarce expensive. Tais remark led to an inquiry into properties of manure, and particularly as to what rision nature had made in those uncultivated re-13, where there seems to be a vig trous and luxut growth, without artificial assistance.

In observing nature unassisted, or unthwarted, or by the hand of man, in vegetable reproduction, found that when the seed is ripe it falls upon the und, and then the plant which has produced it daits leaves, or falls uself upon it, in decay, and ers and protects it from the weather, until generahas commenced, and the young plant is able to w up in health and strength, and full development, ecommence the same routine of seeding and of reduction.

From this it follows that, in nature, every plant duces its own soil or hamus, and that the earth y serves to bear the plant, and not toad or nourit in vegetation. The nour shment of plants is supposed to be derived from air and water, heat 1 light, or electricity, in different proportions, adap-

to the different varieties of vegetable nature. With this general notion in their minds, and conering wheat to be, in present circumstances, one the most important vegetable substances, they aeed to try experiments, and in October last, under-

ok the following operations: In a field which had been sown with rye, because e land was deemed too poor for wheat, a plot of 12 uare yards, untilled and left without manare, was refully strewed over with the grains of wheat, and heaten straw was laid upon it closely and about one ch in thickness. In a garden, also, which had been eglected several years, a few square yards of earth ere trodden over, and the surface being made close id hard, some grains of wheat were sentered on this ardened surface, and a layer of straw one inch in enth, was carefully laid over it and left, as in the for ier case, to take its chance without ulterior attenon. And, in order to make doubt impose bie con-

in vegetable reproduction, twentiv grains of wheat were sown upon the surface of a pane of glass and covered with some straw alone, as in the other case.

The germination of the seed was soon apparent and most healthy in development. "The wanter has been rigorous," says these correspondents, " for this part of the country, and the earth has sometimes been fro zen in one solid mass to a depth of six inches in the garden where the wheat was sown, and this has hap sened several times during the writter, to the great injury of many plants, and even the entire destruction of some, while the spots protected by the straw were never thoroughly congcaled, nor were the grains of wheat, though lying on the surface under the straw at all affected by the cold. During spring excessive droughts prolonged, and several times repeated, have prevented vegetation on the common pian from flourishing in healthy progress, while our little spots of when have hardly lelt the inconvenience of excessive dryness, for the earth protected by the straw has never been deprived entirely of moisture, and our blades of corn were flurishing, when all round was drooping and uncertain. To conclude then, we have thoroughly succeeded in our practical experiment, and the wheat produced is of the finest quality. The straw was more than six feet blob, and in the cars were 50. 60, and even 80 grains of wheat of full development, the admiration of all who saw them, and particularly those which grew upon the pane of glass, and which were quite as healthy and as large as those which grew upon the common earth. It must be observed also that there was not the smallest particle of earth up in the glass, and that the plants were left entirely to themselves, without being watered or attended to in any way whatever, from the time of sowing to the time of reaping.

The cause of this success, they think, may be ex-

plained in the following manner:

Straw being a bud conductor of heat, and a good conductor of electricity, maintains the root of the plant in a medium temper ture, and prevents the earth from being dentived entirely o moistn'e. The moistnee of the carth or the subtratum, being continual, facilitates the gradual and constant absorption of carbonic acid gas from the surrounding atmosphere, and hydrogen and enrhon, the chief elements of mourishment to vegembles, are thus economized in regular supplies where they are constantly required, and pass into combination with oxygen from the roots up to the stems and branches of the plants in which they are assimilated, and the oxygen throws off in exhalation from the leaves. The straw decays but slowly, and thus furnishes its substance by degrees to the young plant in due progress on and proportion, (such as the siliquons ingredients, for instance, of the pod of eapsule) so that the docomposition of the straw corres ponds to the four phrases of fermentation in progressing from the specharine to the alcoholic the acid and the patrid states, analogous to those of infuncy, budding youth, and serding of the plant.

We observe that our blades of wheat have but a very few roots, and those are short and hard, something like a bird's claw; and this agrees with the remarks of Mons. Raspail, who states that the most healthy plants in ordinary vegitation have the least ex-

uberance of roots and fibres.

"Another important abservation, also, is, that weeds and parasitical vegitation are prevented by this method, for the straw chokes every o her plant but that of its own seed. Many other interesting obser vations might be made on these experiments, but we refrain, at present, from obtending on your readers; but if any of them wish for further information on this subject, we shall willingly afford them every facility. The importance of the general result will easily become apparent without further comment, and a revolution in the present modes of agricultural labor is a necessary consequence of this discovery. No tillage will now be required, nor any artificial stimulants in manure and other more or less expensive combina tions with regard to soil and culture. In fact, it would be tedious to commerate the various advantages that may result in practice from this ca nal experiment, and therefore, we proclaim it simply to the world that all may profit by it."

As this experiment can be easily tried, we hope some of our farmers will put it to the test, and communicate the result. We shall certainly try it on a small seven by nine lot of ground, which is the largest that is vouchsafed to a dweller in the city.

Culture of Silk.
It is indeed "an ill wind that blows nobody any

good." The subsidence of the Mulberry speculation is followed by cheering attention to the manufacture

ecrning the mere secondary from tions of immeral court of salk. The immense quantity of trees lately propagated for speculation, essentially ands those who now embark with a view of pursuing the Silk Culture as a stendy business. The vice of speculation is thus rendered tubutary to honest industry; and we confideatly predict that the crop of sik, in three or four years, will prove that, whatever evils may have deluged the country through the speculating mania, the "multierry fever" in followed by healthy and efficient action in the great cause of readering our country independent of foreign nations for an ample supply of

We congratulate thou ands of thrifty farmers upon the pleasant and profitable employment which the s.lk business affords to the females and children in their families -affording means and inducements for industry, that may essentially serve those families throughout life-promoting comfort and independence, and yielding returns that would guard against pecuniary distress, should the ordinary means of support be curtailed by the loss of husband or father, or by other reverses in fortune.

Ontario County Agricultural Fair and Cattle Show.

It was our intention to have attended this exhibition, but having been depied that privilege, we copy an account of the proceedings frem the Ontario Repository, by which it will be seen that the right spirit was manifested, as usual, in that noble county :

The annual Fair and Cattle Show of the Ontario County Agricultural Society, was held to this village on the 12th metent Notwithstanding the wilevorable weather the day previous, and on the morning of the Ferr, there was by far the largest collection of people ever as embled in the county. The number bus been variously estimated at from five to ten thousand.

A spirit of enthusiasm seemed to animate the immense crowd, alike creditable to the members of tho society and propitious to the cause of agriculture in our county. It was, on the whole, a proud day for the Farmers of "Old Ontario." The exhibition was graced by a large collection and variety of the best specimens from their fieds and gardens, as well as of their usefu animals and domestic manufactures.

[The list of premiums will be found in another colnmn. 1

At I o'clock P. M., as many as could crowd the spacions court room not percept bly diminishing the numerous throng in our stree s, as mbled there, and estened to an interesting address from Geo. Willson,

Esq., which, we believe, is to be published.

After Mr. Willson had delivered his address, on motion of Timoshy Buell, ir of East Bloomfield, it was unanimously resolved, that the thanks of the members of the society be tendered Mr. Willson for his inicioning address, and that he be requested to furnish a copy for publication.

The members of the Society then proceeded to the choice of officers for the ensuing year, when the fol-

lowing gentlemen were chosen :

JOHN GREIG, of Canandaigna, President. Charles Godfrey, of Seneca, 1st Vice President. Heman Chapin, of East Bloomfield, 2d do. Peter Matchell, of Manchester, 3d do. Joseph Fellows, of Geneva, 4th do. Willin Ottley, of Phelps, 5th do.

Joseph Garlinghouse, of Richmond, 6th do. Wm. W. Gorham, of Canandangua, Recording Sec-

Oliver Phelps, of Canandaigua, Corresponding Sec-

James D. Bemis, of Canandaigua, Tressurer.

TOWN MANAGERS OR COMMITTEES.

Canandaigua -- Wm. Burling, jr., Charles Shep ard, Jacob Santh, Hezekish Townsend, Henry How Canadice -- Hiram Colegrove, Frederick West-

brook, Robert Armstrong, Sylvester Austin, Josiah Jackman.

East Bloomfield.—Timothy Buel, jr., Thendore Sprague, Myron Adams, Bani Bradley, Flavius J.

West Bloomfield.—Reynold Peck, Robert Worthington, Bezaled C. Tult, Joseph C. Peck, Otis Thompson.

Bristol-Francis Mason, Erastus H. Crow, Auson Packard, Wm. T. Codding, Phineas Kent. South Bristol .- James Parmely, jr , Sinni Collins,

John Stetson, Allen Brown, Franklin Crooker, Gorham.—David Pickett, Ephraim Blodget, Na-thaniel Smith, Hram Harkness, Collister Merritt.

Hopewell.—Cyrus Gates, Andrew M. Bush, Eben Benham 2d, Theodore Crosby, Ephraim Watkins. Munchester .- Nicholas Howland, Abner Burlow, r., Edmund B. Dewey, Manning Redfield, Jedediah Dewey, jr.

Naples - James L. Monier, Bronson K. Lyon, Alanson Watkins, Ephraim W. Cleveland, Josiah

Farmington .- Russell M. Rush, Joseph C. Hathaway, Wilmarth Smith, Percz Hathaway, Welcome W. Herendeen.

Richmond,-Hiram Pitts, Noah Ashley, Edward Swan, Zachariah Longyor, William F. Reed. Phelps .- Elias Cost, William Post, Spencer Hild-

reth, Wm. Dickenson, Charles Scott. Seneca.—Phineas Prouty, John Devereux, George

Fordon, Abraham A. Poet. Victor.—Jared H. Boughton, Wm. D. Dickenson, Thomas Embry, Samuel Rawson, Henry Pardec. The President then read the reports of the several committees.

LIST OF PREMIUMS awarded by the Ontario Agricultural Society, at the Fair held on Tuesday the 12th of October, 1811:

HORSES.

Best Stud Horse kept in the county 6 months preceding the Exhibition. \$7, to P. W. Dickey, of the town of Phelpa.

3d best do. \$3, to A. C. Butle, Phelps. Best Stud Horse over 4 years old, raised in the county, \$7, to John Post, Sencea.

2d best do. \$5, to Benj. Washbarn, Gorham. 31 best do. \$3, to Samuel Scott, do.

Best pair matched Horses, not over 7 years old, \$7, to Marvin Gage, of Gorham.

2d best do. \$5, to W. W. Herendeen, Furmington. 3d best do. \$5, to Charles Godfrey, Seneca. Best single Horse, not over 7 years old, \$5, to Samnel Greenleaf, Canandaigua.

2d best do. \$3, to Jos. Garlinghouse, Richmond. Best Mare with Colt I year old past, \$5, to Ephraim

Walkins, Hopewoll. 2d best do. \$3, to Wm. Ottley, Phelps. 3d best do. \$2, to Nathaniel Smith, Gorham. Best 3 year old colt, \$5, to A. M. Bush, Hopewell. 2d best do. \$3, to Samuel Remington, Canaadaigua. Best 2 year old colt, \$3, to J. Wolverton. 2d best do. \$2, George Gooding, Bristol.

CATTLE

Best Bull, \$7, to Tim. W. Gooding, Canandaigua. 2d best do. \$5, to J. C. Hathaway, Farmington. 3d best do. \$3, to B. Thomas, Canandaigua. Best pair 3 year old steers, \$5, to W. W. Herendeen, Farmington.

2d best do. \$3, to Myron Adams, East Bloomfield 3d best do. \$2, to Lemnel Bannister, jr., Phelps Best pair 2 year old steers \$5, to Harvey Pratt, Hope-

2.1 hest do. \$3, to J. S. Jones, East Bloomfield.
31 hest do. \$2, to Sdas Harris, ""
Best pair of 1 year old steers, \$5, to Seymonr Reed,

Bristol.

24 best do. \$3, to Danforth Both, Manchester. 31 best do. \$2, to S. P. Harvey, West Bloomfield. Best 1 year old heifer, \$5, to Robert Higham, Cun-

21 best do \$3, to Thomas Bell, Gorham. 31 best do \$2, to Anson Packard, Bristol. Rest Milch Cow, \$5, to E. Hale Canandaigan.
2d best do \$3, to Heman Chapin, East Bioemickl.
Bl best do \$2, to J. C. Bathaway, Farmington.
Best Ball call, \$5, to Tim. W. Goding, Canandai. gua.

21 best d. \$3. to Heman Caapin, East Bloamfield. 31 best do \$2, to J. C. Hathaway, Farmington. Best heiter call, \$5, to Anson Packard, Bristol. 2d best do \$3, to J. C. Hathaway, Farmington.
3d best do \$2, to "" "
Best pair of Working Green, \$7, to James Sears, Sen-

2d best do \$5, to O Morse, Canandaigne. 3d best do \$3, to F. J. Bronsen, Eart Bloomfield. SHEEP.

Best Ram, reference to carcase, \$5, to Geo. Cayward jr., Hopewell.

2 l best do, reference to carcass, \$3, to Gay Colling, East Bloomfield.

Best Ram, reference to fluece, \$5, to W. B. Dicker son, Victor. do \$3, to Jared Hathaway, Farming-2d best do

Best 6 Ewes, reference to carenas, \$5, to C. B. Meck, Canandaigna.

2d best do \$3, to George Cayward, Seneca. Best 6 Ewes, reference to fleece, \$5, to Jarca Hathaway, Farmington.

Best male Swine, \$5, to H. Hubbard, Canandsigna. 2d best do \$3, to Amasa Carter, East Bloomfield. 3d best do \$2, to E. Humphrey, ... Best Sow, \$5, to John Jones, Canandaigua. 2d best do \$3, to Amasa Carter, East Bloomfield.

3d best do \$2, to J. S. Hart, Hopewell. Best Litter of Pigs, \$5, to F. A. Spaulding, East

Bloomfield. 2d best do \$3, to John Jones, Canandaigua. 3d best do \$2, to James D. Bemis, Canandaigna.

PLOUGHING. Plonghing with horse team, \(\frac{1}{3}\) of an acre, to be within an hour, \(\frac{87}{3}\), to William Builing, Canandaigua. 2d best do \$5, to Charles Godfiey, Seneea.

3d best do \$3, to Collister Millen, Gorlinm. Ploughing with ox team 1 of an acre, best within an honr, \$7, to George Hewson, Seneca, 2d best do \$5, to A. Jones, East Bloomfield.

3d best do \$3, to Daniel Parsball, Canandaigua. DOMESTIC MANUFACTURES. Best 10 yards of Cassimere, \$5, to N. P. Brewster,

Farmington. 2d best do \$3, to M. Norton, Farmington. Best 50 lbs Butter, \$5, to Parcz Hathaway, Farming-

2d best do \$3, to Thomas Bell, Gorham. 31 best do \$2, to Bani Bradley, East Bloomfield. Best 20 yds Flannel, \$5, to Edward B. Dewey, Man

chester. 2d best do \$3, to Thayer Gauss, East Bloomfield. 3d best do \$2, to William Ottley, Phelps. Best 20 yds Carpet, \$5, to John Lapham, Farming-

2d best do \$3, to Franklin Beebe, East Bloomfield. 31 best do \$2, to A. B. Rapalje, Farmingto

Best 20 yards of Woolen Cleth, \$5, to E. B. Dewey, Manchester. 2d hest do \$3, to William Bryant, Munchester. 3d hest do \$2, to William Ouley, Phelps.

Best 100 lbs Cheese, \$5, to Uri Beach, East Bloomfield.

2d best do \$3, to John Lapham, Farmington. 3d best do \$2, to P. Hathaway, "Greatest quantity of reeled Silk \$5, to Λ. Hathaway,

Bristol. Next do field. Next do \$3, to M. Newton, East Bloom-

\$2, to A. N. Buck, Manchester. Best 5 pounds Cocoons. \$5, to Jonathan Buell, East Bioomfield.

2d best do \$3, to A. Hathaway, Bristol, 3d best do \$2, to H. Munson, East Bloomfield. Best onnee Black Sewing Sik, \$5, to Walter Whitncy, Hopewell.

2d best do \$3, to Jos T. Shaw, Canandaigna. 3d best do \$2, to William Biodget, Garham. Best ounce Sewing Silk, assorted colors, 35, to Walter Whitney, Hopewell.

24 best do \$3, to H. Munson, East Bloomfield. 2d best do \$2, to W. Blodget, Gorham.

DISCRETIONARY PREMIUMS.

3 Shawls 3 dolla to Justus II Sanger, Canandaigua; 1 doll to E B Dewey, Manchester; I Lamp Stand I dollar to Buni Bradiey, East Bloomfield; I Red Silk Coverlid, 2 dol's to Charles Scott, Phelps; 4 blnc and white Coverbd:, 2 dolls to William Ottley, Phelps; I red do I doll to T Palmer, Gorham; I blue do I doll to W Ottley. Phelps; I plated B. tand Sürrups, I doll to S W Gregory, Canandaigua; I Lace Cap, I doll to Thomas Bell, Gotham ; For Stocking am 1 doll to F Penoyer, East Bloomheld; 1 Gree i Hearth Rug 2 dollars, to Mrs Hannah Sanburn ; For blue and white Mittens, I doil to Frederick Penoyer, East Bloomlield; For fancy dod doll to For Hearth Rug red and black, I doll William Bryant, Manchester ; For black Stockings 50 cts to W. Whitney, Hopewell; For White do 50 cts to W Ct-Phelpa; For blue and white Coverlid, I doll to A B Rapalje, Farmington.

Kiagara, Wayne, Livingston, and several other County reports, were received too late to be noticed this month.

Caynga County.

The first annual Fair of the Cayaga County Agri cultural Society was held at Aubu n, Oct. 13th and 14th. The Auburn Journal says-" There was fine display of cattle, horses, sheep and swine presen ted for competition on the first day; and on the 2nd a goodly variety of the products of horticulture, veg etables and fruits of the garden and orchard; as wel as domestic manufactured goods of wool, silk and cot ton. The result so far, has been highly gratifying to the friends of the most important interest of the coun try-Agriculture-as it has shown conclusively the Cayuga is little behind the best counties of the state in the true sources of wealth,"

We intended to publish the complete list of premi ums, but find our space will not permit.

The Committee on Silk reported that the best spe cimen of Cocoons was presented by Mr. Joseph C Wood, of Montezuma and the premium of \$2 wa awarded to him. There was also presented by A Fitch, and H. Polhemus, two lots of sewing silk of superior quality, manufactured in the State Prison .-The silk is equal to any Italian silk now in use. The opinion of the committee is that the growing of silmight be made profitable.

David Thomas, Chairman of the Committee of Finits, remarked, that "considering the pleasur with which our citizens receive a present of fine frui the Committee are not a little surprised at the indiffer ence and neglect manifested in the cultivation of th superior varieties."

Great crop of Corn .- "The committee on grain t warded to Joseph F. Osborn, the first premium of \$5 for the best crop of corn, presented by specimens, but in quality of seed and quantity produced, which is 14 bushels 11 pounds to the acre.

The second premium of \$5 for quantity, (121 bust els I5 lbs to the acre,) was awarded to James She man, of Springport. The seed we conceive not of d. best kind."

We should feel obliged it some friend would ren us a particular account of these corn crops-soil, cu ture, kind, mode of measurement, &c .- Eds.

Cortland County.

The third annual Fair of this Society was held Cortland Village on the 5th ult. The Democrat say "The dry was uncommonly clear and pleasant, as the display of animals was larger and far finer than c any preceding occasion," Judging from the publis ed report we should think that the number as amount of premiums offered were entirely too small excite spirited competition; but we presume this w be improved hereafter. We obscive that our frier Col. H. S. Randall, the worthy Corresponding Se retary of the State Society, carries off the palm most kinds of Cattle and fine wooled sheep:

Great Vield of Corn -- Close Planting.

A Scotch farmer residing in the town of Sodn Wayne county, N. Y. informs us that he raised, ti past season, 400 bushels of Indian Corn on 4 acres land, notwithstending the dryness of the season. I attributes his success mainly to his manner of plan ing, and thinks that laimers generally plant too thin ly. His mode is, to plant in rows 3 feet apart, ar drop two grains in a place only 15 inches apart in th rows. The variety used is the Red Blazed Flin The soil is sandy loam, and 100 loads of manure we put on the 4 seres. The corn was ripe and cut suff ciently early to sow the ground with wheat.

An Object of Ambition .- It may not be in you power to excel many people in riches, honors, or abities; but you may excel thousands in goodness heart. Hitherto turn your ambition. It is an obje worthy cf it.

Genesce County Agricultural Fair.

his exhibition was held at Alexander on the 13th 14th ult. We were not able to be present on the t day, but were informed that the display of entwas very good, and gave evidence of consideraimprovement. On the second day the entile had stly left, but we noticed a fine lot of grade animals different breeds belonging to the Messrs. Heston, ne of which are very beautiful. The large herd of proved Short Horns belonging to Peter A. Remsen, 1. we also witnessed with great pleasure. We were are that Mr. Remsen had some fine cattle, but re by no means prepared to see so large a number of such excellence. We hope to give a more tienlar account of them hereafter

The Ploughing Match excited a good deal of interas usual; but the work was performed in too at hasto to be done well. We would advise the nagers hereafter to offer premiums for those who form the work in the best manner within a given

The exhibition of Domestic Manufactures &c. was equal to our expectations, or very creditable to the sewives of Genesce, although a few families de ve great preise. We noticed, in particular, a very ge assortment of useful and elegant articles exhibit by Mrs. Worden Mattison, of Darien, consisting silk gloves and hose, sewing silk, linen thread and a work, domestic cloth and linen diaper, the ole affording a greater display of skill and industry n is often produced by one family. Other articles erve to be noticed, but our space will not allow us numerate them.

from what we saw of this Fair, we are constrained sny we were disappointed with Old Genesee.is rich agricultural county is capable of doing betthings, and ought to be one of the very foremost the merch of improvement. We were greatly prised when the President of the Society informed that they had not raised a sufficient amount to be e to draw their full quota of funds from the State. is fact alone affords conclusive evidence that someng is rong; and the officers will have to put forth w efforts to awaken interest in the subject.

We have no desire to dictate, but from what we ve seen we are fully satisfied that Alexander is not most suitable place for holding the Fairs, and ne of the best towns in the county refuse to co-opte because they are held there. It appears to us re are many resaons in favor of holding the Fairs at taria. In the first place we believe the citizens of it place would contribute liberally towards the funds the Society, and with the co-operation of the rich orthern and Esstern towns which now keep aloof, ere would be little difficulty in raising at least a sufient amount to secure the full portion of State aide are aware that some of the Southern towns might d agricved, but if we are correctly informed there but few of them that have heretofore rendered uch assistance, so that but little would be lost in at direction. Besides, Batavia is the centre of buness and attractions, has excellent accomodations d is easy of access. So that a much larger attendice would always be secured there than at Alexanr. We presume the officers of the Society will conder this matter, and that such arrangements will be

For the New Genesse Farmer.

GENTS .- I send you a brief notice of the proceedings the Genesee County Agricultural Society, at the cond annual Exhibition and Fair, keld on the 13th nd 14th of October, 1811.

ade for the coming year as will redound to the credit

this Empire county.

of slicep and hogs, was very slim, and a great falling off from last year. It was far from creditable to so large a county, and will probably be remedied at our next Fair.

The Mechanies seem to have taken little or no interest in our meeting. Premiums were offered for almost every kind of mechanical production, but there were only a very few kinds exhibited.

The household arts were, if possible, still worse represented, and the Ladies of old Genesee have much to answer for in allowing themselves to be so poorly represented. I feel confident it will not be so again-

On the second day the ploughing match came off, and was by far the most exciting part of the whole exhibition. The ground to be ploughed was one eighth of an acre, and the premium to be awarded to the person doing it the best in the shortest time. The ground selected was a pasture on the flats. Four teams entered at first, and their performances were as follows:-1st, 13 minutes 50 seconds, 2d, 14 m. 25 sec., 3d, 14 m. 35, sec., 4th, 16 m. 20. The second took the premium. The team and plough were owned by L. E. Heston, ploughman, Mr. Brownell .-Had all the ploughs been equal to Mr. Heston's it would have been a very close contest. The plough is manufactured by Smith & Co., at Batavia, and is called the "Scotch Improvement." It is a decided improvement, upon the ploughs of this county at least, and must prove a great acquisition. There is no farm implement of more importance than the plough, and yet there is almost as much imprevement to be made, as there was from the old bull plough to the one new in use. Two other teams entered subsequently, and did the same quantity, in 12 minutes and 10 seconds, and 13 m. 35 seconds.

I think the arrangements for the ploughing match were defective, inasmuch as it should have been the best within a reasonable time, say 25 or 30 minutes. It would then enable weaker and lighter teams to compete, as it would not be so much time as workmanship, and that after all is the true test of good ploughing, time being only a secondary object. I hope such will be the order next year.

There was also a defect in the arrangement relative to the eattle. No person should be allowed to exhibit eattle unless each animal is tied to a stake.

The speeches should also be made the first day, and the premiums awarded and paid the second day.

All these things will be made right after a little more experience, and famers must not complain if the management of the Society is not perfect the second

I am sorry to say that there is not as much spirit manifested by the farmers as there ought to be, nor have they come forward as liberally as every person had reason to suppose they would. There was a large concourse of people, but nothing when compared with the assemblage in other counties. I regret exceedingly that we were not able to draw from the state all the mency to which the county was entitled. We have not received our pertion into sixty-one dollars. It does not tell very well for the "Empire County," that out of its 7,000 farmers, there could not be found enough to raise the sum of \$179 00. The promiums will all be paid, but still it would have been much better if there could have been something in the treasury for another year.

It was resolved to keep the two caunties, Genesce and Wyoming together as one society, and officers were elected the same as though the county had not been divided.

Premiums Awarded.

BULLS.

nd 14th of October, 1841.

The show of cattle and horses was very fine, being large grin over last year's Exhibition. The show Remec., 2 premiums. Best Bull of any ege contents.

mon or crossed, C. Carter, Durham, out of native Devonshire, got by Weddel's imported Young Rover. This bull shows in an eminent degree, the great superiority of a cross with good Durhams. Z. Cone and L. E. Heston each drew premiums in this class.

OXEN AND STERRS.

P. A. Remeso, L. Fisher, S. W. Kingsley, L. E. Heston, and C. Tompkins.

COWS AND HEIFERS.

P. A. Remsen, 2 premiums, J. Heston, and E. Stevens. Devoushire; E. P. Beck, 4 premiums.

COMMON OR CROSSED.

W. E. Heston, D. Malory, and L. E. Heston.

J. Jenne, C. Burrett, S. W. Kingsley, B. Bene diet, H. Dunham, S. H. King, L. E. Heston, and C. Barrett.

E. P. Beck, E. J. Petibone, H. Brown, and L. E. Heston. SHEEP

George Shapman, C. Hannum, 2; E. P. Beck, 2. FIELD PRODUCTS.

H. Breinard, best acre of Corn, 97 bushele-beet acre of Potatoes, 400 bushels—best 3 acres of Spring Wheat, 27 Eushels, per acre. Mr. Brainard had no competitor.

DOMESTIC ARTS.

E. Scrantom, for Recled Silk, E. Bishop, Flan nel; E. Murdock, Sewing Silk; E. Byington, Woolen Yarn; Mrs. W. Mattison, Silk Hose; Z. Conc. 25 lbs. Butter; Mrs. T. Riddle, Carpet; Levi Hall, Saddle; T. Yates, Fine Boots; W. Sillery, Ladies' Walking Shoes and Slippers each.

DISCRETIONARY PREMIUMS.

The following discretionary premiums were award-

An Ottoman made by Miss Matilda Butler, Alexander, \$1-Hat, manufactured by P. Durant, Batavia, \$1 50-Work Bag Miss Sarah Jenne, Bethany, \$1 -Linen Lace Cap, Linen figured Tablecloth, Linen Thread, a fine specimen of Sewing Silk, and Cocoons, by Mrs. and Miss Mattison, of Darien, \$4--28 lbs. Maple Sugar, very fine by Mr. Mattison, \$1--Woollen Rob Roy Shawl, manufactured entirely by Miss Farnham, Alexander, \$2--Beautiful specimen of Reeled Silk by N. D. Hart, \$2--Elegant Hearth Rug, Mrs. E. G. Spalding, Alexander, \$1 50--Gig Harness, double work Harness, travelling Trunk, Valice and Carpet Bag, by Wm. Manly, Betavia, \$5-Very fine specimen of Penmanship, by A. S. Pratt, Alexander, \$1-Very excellent article of Leather, by Wm. Geer, Alexander, \$2-On a number of Fowls raised by Mrs. Palmer, of Attica, called the Top Knots, which were very fine, \$2.

OFFICERS FOR ENSUING YEAR.

President, T. C. Peters, Darien; Vice Presidents, E: Bishop, Attice ; L. DeWolf, Middlebury ; John Jenne, Bethany ; H. Ramedell, Batavia ; C. Rich, Alexander; E. P. Beck, A. Sheldan, R. Rich, Le-Roy; P. Dickey, Elbn. C. P. Turner of Batavia, Recording Secretary. P. Follett of same place, Corresponding Secretary, L E. Heston of Batavia, Treasurer.

I had intended to have made some remarks on the different breeds of cattle, but this article has been so much longer than I expected that I shall reserve them Youra &c., T. C. P. for a future number.

Danica, October 16, 1841.

Premium Ploughs.

In justice to the manufacturers, we remark, that the plough which gained the first premium at the ploughing match in this county, was the Whiting plough, made by A. J. Langworthy, of this city; and the one which gained the second promium was the improved Livingston county Plough, made at Calcdonia

Mouroe County Agricultural Fair.

The annual ethibution of this Society came off in this city on the 15th and 16th of October. The display of summals, of every class, was better than we anneonated, although we felt quite sure old Monroe would do herself credit. Indeed we do not believe any county in the State has had as good an exhibition this season as Monroe. Some persons remarked that the cattle show was not equal to that of last year; but when they consider that a number of the finest animals exhibited last year, belonged to adjoining counties, we think they will admit that this county was better represented than last sea on. In sheep and logs expecienly, we noticed a very great improvement. The breeds are better, more numerices and distinct, and the number of specimens greater and of finer cubits.

The Ploughing Much excited much interestate was exident from the thousands of furners and etizzen who througed the ground to witness it. Twelve teams, with skillful ploughmen, an etad for the contest, and nebly did they all perform their work. The indiction of the contest and the policy and ease with which single trains turned over an old tough swar I, was a pleasing sight, and spoke volumes in praise of both ploughs and ploughmen.

The exhibition of Horicultural productions, implements domesto menifocuire, &c, we quite respectible, but did not fully meet our wishes or expectitions. We do not believe there is any lack of industry or skill among the farmers wives and doughters of Monroe, but there seems to be much unwillingues to exhibit specimens of their work; owing to diddence or an apprehension that it will be excelled.—This is a wrong feeling, and one which we hope increater to see done sway.

It gives us peculiar pleasure to observe the very general attendence of furmers and their families at these exhibitions. At all places which we have seen or heard from the Agricultural Pairs are most immerously stiended. Who can estimate the amount of binefit rist will result to the country, from the information which the thousands of Wealth Producers have obtained at these exhibitions? What farmer can a tiness one of them without learning some valuable lesson in husbandry, or without forming some new resolutions and plans for in provement.

We regret to notice a disposition, on the part of some, to find fault with the decisions of the Committees in awarding the premiums. Those who serve in this capacity have a best an arduous and thankless task, and after performing it with faithfulness and integrity, according to the best of their ability, it is unkind in the extreme to charge them with unfanness. Suppose they do occasionally err in judgment, and a premium is awarded where it should not be what great harm is done? Is the gaining of a few dollars in premiums the great object which exhibitors have in view? We know they will spurn the idea .--Their object is, or should be to aid on the cause of improvement; and, although it is natural for every man to think highly of his own cattle or productions, all should remember that the owner is poorly qualifiei to be an impartial judge of his own property; and a disinterested Committee are not half so likely to be mistaken as the owner.

The reports of the various Committees render it un necessary for us to prolong our remarks; but we cannot close without expressing a desire that all will read the excellent address of Mr. South, which may be found in our columns this month.

Premiums Awarded by the Monroe Co. Agricultural Society for 1841. HORSES.

The Committee on horses remarked that they era governed more by the appearance and action of

the animals than by any reference to their blood or pedigree. After careful examination and comparison of the numerous fine horses exh bited, they agree to a ward premiums to the following, as those which according to the best of their judgment appeared to combine the most of those qualities requisite for use fulness, dutability and degance.

fulness, durability and elegance.
Franks he . Stud House. (Imperied Horse
Alired Thomas Weddlo
od do I K. Balenting
24 ds Wm Tone 3 00
Rest Pair Matched Herses, G. Peck 7 00
2ddo., A. Lane
3.1 do., H. Olmsted 3 U
Best Mare, John Ayrault 100
91 do., Wm. Tone 9 (0)
3d do., Wm Bilentine 3 00
Best 3 years old Colt, (by Alfred) H. Pad-
dock
2d do., (by Alfred) H. Fellows 3 00
CHS D GODFRLY, Committee
HARRY OLMSTED.)

CATTLE.

The Committee on cattle report that owing to the large number of superior anima s exhibited, they found it difficult in some cases to decide which was entitled to the greatest merit; but after insture deliberation, and the exercise of their best judgment, they decided to award premiums as follows.

For the best Bull, (Durhem Short Horned, American Comet, Thomas Weddle\$10 60 2d do , Ramsdell & Cole 3d do., (Albion, Win. C. Curnell Best Pair 3 years old Steers, John Ayrau't. 2d do., Stephen Leggett 3 00 Best Pair of Fatted Oxen, John Ayrault 7 00 5.00 2d do., John Bradley 7 00 Best Pair of Working Oxen, John Ayrault. 5 00 2d do., John Leggett.... 3d de., Gidean Ramsdell..... 3 00 Best Melch Cow. (Durham Short Horned 5 00 3 00 3d do., - Sm.th.... GEORGE SHEFFER, Committee.

JACOB STRAWN, Committee
JOHN BURNS.

The Committee on Swine remarked that the exhibition of this class of animals was highly creditable to the Society and the county. Many very heautiful hogs, besides those for which premiums were awarded, deserve special notice. Among three was a sow with six pigs. Byfield and Leicester, owned by John Putnam of Greece: three fine young Leicester sowsowned by Matthias Garret of Gates: three beautiful young a was and one boar, pure Berkshire, owned by George Whitney of Rochester; a very superior Berkshire boar pig, four months old, owned by Chirles Marchant of Greece, and a sow with six pigs, Russia and Leicester, owned by Harry Olmsted of Greece.

GIDEON RAMSDELL,
JOHN FULLER,
EDWARD CHAMPENEY,
SHEEP

The Committee on Sheep report that they discharged their duties with all the eare and faithfulness of which it by were capable. For the honor of the county, and particularly for that of the farmers owning the numerous beautiful animals exhibited on the ocasion, the Committee take pride insaying they were all very choice and desirable lots of sheep. Beades those for which premiums were awarded the Committee lesite to mention as worthy of special notice, a small lot of Merino Ewea, owned by Eliphalet Day, of Ogden, and of Merino B eks, owned by the son: also some Merino Backs, owned by Gideon Cobb of Brighton,—Premiums were awarded as follows.

For the test Buck, reference to carcaes,

The Committee on Field Cupe, respectfully to that they have attended to applications for pruns, in this department, from the following as Gentlemen who have, by evidence satisfactory to Committee, established their claims to the hom having raised upon their repective farms the loling products, viz:

WHEAT.

James Bertty of Greece, an average of 53 bu and 49 lbs to the acce—6 serie. Grorge Shaffer, of Wheatland, an average of bushe's—75 acres. Samuel Shadbolt, of Chili, an average of 35½ els—9 acres.

CORN.
Robert D. Marlin, of Chili, an average of 94

els to the acre.

Ebenezer Gooding, of Henrictta, an overs
90 bishels to the acre.

Lynan B. Langworthy, of Greece, an overs

James Hart, of Sweden, at the rate of 96 bi

to the acre on one acre and a half.

Abram Cushman, without veuchers, present memorandum, s'owing 18 bushels to the acre.

POTATOES.

Owen McGu re, of Greece 340 bushels to the George S effer, 312 bushels o the acre. Sumuel Davidson, of Greece, 280 bushels

Ebuczer Gooding of Henrietto, 247 bushels

F P. Root, of Sweden, 1200 bushels Ruta B

F. P. Root, of Sweden, 1200 busines Mila 2018.
George Sheffer, 6583 bushels Carrots to the 1100 bushels Mangel W ru

1160 bushels of Sugar Bee

Charles Filer, Carrots at the rate of 720 bush the fan acre, which being short of the prescril mensions cannot cleim a primium.

The Committee, in accordance with the above awarded

WHEAT,

To James Beauty, Esq., of Greece, the first um \$10—quantity 53,29.6° bushels to the a George Sheffer, E-q., Whatlend, 2d do \$7—Samuel Shadbolt, Esq., Chili, 2d do. \$5—S CORN.

Robert D. Marlin, Chili, first premium, quantity 94 bushels to the acre. Ebenezer Go Henrietin, 2d do. \$5-90 do. L. B. Langw 3d do. \$2-80 1.22 do.

POTATOES.

Owen McGuire, Greece, firet premium, \$5-tips 340 hushels to the acre. George Sheffer, V land, 2d do., \$3-312 do. Samel Davisen, G 3d do., \$2-280 do.

F. P. Root, Sweden, first premium, on Bugn, \$5--quantity, 1200 bushels to the acre. Sheffer, first premium on Mangel Wurtzel, 1000 do. Do, do: Sugar Beet, \$5--1100 do.

The season having been an unfavorable one i production of large crops, the competition for 1 ums bas necessarily been confined to a small number, however, it is thought, do no discredit specimens exhibited, to the soil or culture of M

Little regard has been paid, by many of the eants, to the rules prescribed for certifying Committee, the necessary facts in regard

densure of the land and the mode of ascertaining the roduct, and the Committee have rejected, in one or vo instances, applicants who doubtless might have aimed premiums but for this neglect. The important duty of furnishing a description of soil mode of ulture, expense, &c. has been neglected by several the applicants—they have however promised to suply this defect in all cases where premiums are award-

d. The Committee would respectfully recommend bat all who may be disposed to contend for premiums rereafter, procure in due time the proper directions in regard to these particulars.

LEWIS BROOKS,
NICHOLAS RELD.
ELISHA HARMON, Jr.

(Account of the mode of cultivation, soil &c. of the

rentium crops will be published bereafter.—Eps.) PLOUGHING MATCH.

The committee on plonghing, report that twelve horsel teams entered the field for competition. The contest was very spirited, and was witnessed by a large concourse of spectators. The work was mostly performed in good style, and the committee were nightly gratified at the display of skill in this important ort. Besides those to whom premiums were awarded, the committee would mention that Mr. Robinson and Mr. Crittenden, of Henrietta, deserve much praise for their skilful ploughmanship. The premium were awarded as follows:

First Premann to Sincon Lewis, of Brighton, \$7 Second do. Edward Hovell, Chil. 55 Chs. Burr, Perinton, 3 R. HARMON, Jr., Choirman of Committee.

IMPLEMENTS.

The Committee to whom was referred the examination of farm implements, &c., report that the number of stricts presented for their inspection, was very small, and does not reflect much credit on the manufacturers in this county, who it is well known are second to but few in this business. Some meritorious stricles were exhibited without competition, and therefore are not entitled to premiums. (Hatch's Sowing Machine was exhibited, in operation, during the Fair, and clicited great praise, but as it was not present at the time of inspection, the Committee omitted to report on it.) They decided to award premiums as follows.

a very useful article for heating water or boiling 3 food for animals, a discretionary premain cf., 3

To A. J. Langworthy, for an exhibition of various cast from bortcultural implements converted into maleable from, a discretionary premium of 3 MARTIN SAGE.

ABEL BALDWIN,
L. B. LANGWORTHY.

BUTTER, CHEESE &c.

The number of competitors in this class was not large, but the articles exhibited were of very rxcellent quality. The Committee awarded premiums as follows.

 For the best Batter, to David Frost of Carthage. \$3

 Second, do., Jacob Strawn, Chili.
 2

 Best Cheese, Allred Fitch, Rigo.
 3

 Second do., Wm. Sternberg, Henrietta
 2

 Maple Sugar, Alfred Fitch, Rige.
 2

CALEB K. HOBBIE,) N. B. MERRICK, H. E. ROCHESTER. Committee.

On Silk, and other Domestic Manufactures.

In this department there was quite an interesting exhibition, slibough the number and variety of articles were too small to reflect much credit on the housewives and daughters of the farmers of Mortroc. The

M. P. PARKER, ALEX. KELSEY, MATTHIAS GARRET, Committee.

" Pears..... 1 00

" Grapea..... 2 00

" Quinces.....

00

00

HORTICULTURE.

The Committee on Horticulture report that the display of Fruit, Vegetables and Flowers was very respeciable, and in some respects extraordinary, considering the lateness and unfavorableness of the season. The Apples, Grapes, and Quinces were very fine and abundant. But the most conspicuous and beautiful object in this department was a large and splended pyramid of Dahlius, from Alexander Kelsey, Esq. con sisting of about forty varieties of blooms, the colors very heantifully arranged. A table of elegant green bouse plants, and several large bouncts of Dahlins and other out flowers, from Messis. Ellwanger & Barry, also added much to the beauty of the exhibition. The garden vegetables were mostly of tine quality, but the competitors were not as numerous as they should be. Premiums were awarded as follows. O. Hanford, hast doz. Apples......\$1 00

S. W. Lay, (discretionary) Pears...... 1

B. Lanworthy, best Peaches...... 1

Matthias Garret, best Pluins

H. Colby,

Z. Burr,

Do.

M. Garret, 2d AΛ Mr. Donnely, " Muskmelons 2 00 Wm Webb " Watermelons 2 00 " Squashes 2 00 Alfred Fitch, Young, (discretionary) Pumpkin and J· '1. Squashes..... A. L. Jones, best Egg Plants..... 2 00 Wor, Hamilton " Beets 00 T. Rackus Carrota..... I 00 Wm. Webb, " Paranipe..... 00 Z. Burr. " Turnips..... I " Salsify..... Wm, Webb, S mon Seiler, " Cabbage.....

N. GOODSELL. SErie County Agricultural Society.

Premiums awarded by the Eric County Agricultural Society, at their Fair and Cattle Show, held in Buffalo, on the 6th Oct. 1841:

[The Committee noticed with great pleasure, the fine display of matched horses belonging to Jacob S. & Charles Miller, of Buffale. Finer could no where be shown in the State.]

CATTLE

			L. F Allen, Black Rock, \$6
54	d o.		Warren Granger, do 4
3d	do.	do.	A. & J. McArthur, do 3
Ist	mixed	do.	George Bruce. Lancaster 4
24	do.	do.	Jos'h Hutchinson, Amhert, 3
3d	do.	do.	J. D. Van Allen. Bi'k Rock, 2
Ist	2 yr. Dm'ir	do.	Amos Chillicott, Hamburgh, 3
			Orlando Allen, Black Rock, 2

1st do. Devon do. Aaron Gould, Hamburgh, ... 3 1st common Bull, Asron Parker, Hamburgh, 6 Ist yearling do. John Webster, 2 Ist yoko working Oxen, John Collins, Bl'k Rock, 10 2d do. do. do. Jesse Vaughan, Cheektowaga, 1st 3 yr. Steers, Smith Salisbury, Hamburgh, 6 2d do. do. Channeev Abbott, " 4 let full blooded Cow, L. F. Allen, Black Rock,... 6 Ist mixed Durham Cow, Sylvester Chamberlain, Buifalo, 1st mixed Devonshire Cow, Aaron Gould, Hamburgh, 1st common Cow, Alex. Hitcheork, Cheektowaga, tlo. let yearling Dur'm Heifer, Orlando Allen, Buffalo, 3 1st do. common do. Joseph Clary, Buffalo, 3 1st mixed Call, Wm. Hambleton, Hambargh.... 2d do. do. Warren Granger, Black Rock,... HOGS. 1st Berkshire Boar, A. B. Allen, Black Rock,.... 8 2d do. do. Manuel Henshaw, Hamburgh, 5 1st Sow and 6 Pigs, A. B. Allen, Black Rock, ...

 2d Sow and 5 Pigs, Lewis Eaton,
 " ... 4

 1st Sow, A. B. Allen, Black Rock,
 5

 2d do, A. B. Allen, Black Rock,
 3

SHEEP.

Ist fine wooled Buck, Arnold Green, Lancaster,... 5
Ist South Down do. Wm. Bullock, Evans..... 5
Ist Lorester Buck. Charles W Nason, Hamburgh 5
Ist balf Leirester Buck, Jas. Bicknall, Aurora... 5
Ist 6 South Down Ewes, W. M. Parker, Lancaster 5
Ist 6 Leicester Ewes, Chas. W. Nason, Hamburgh, 5

buegb, 2
1st lot Cocoons, Henry P. Russell, Black Rock, 2
2d do. do. Harvey Clark, Lancaster, 1

The following articles would each have received a first premium, had they not been excluded by the rules of the Society, as not being among the advertised list of premiums, viz:

A heautiful worked lace veil, by Miss Wakely, of

A heautiful worked face veil, by Miss Wakely, of Lancaster.

An elegant worsted worked Bell Rope, by Miss

Johnson, Buffelo.

A superior patent Lock, manufactured by J. W.

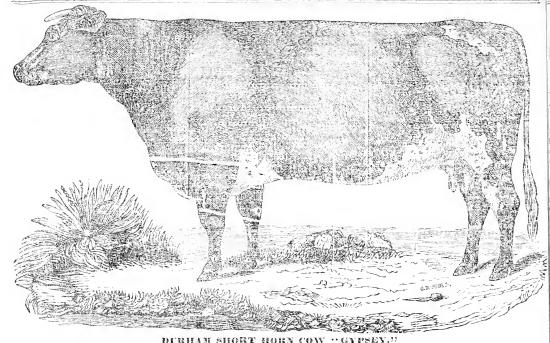
A superior Devock, Buffalo

A pair of superior Woolen Blankets, from the fectory of Heacock & Durick, Buffalo.

WARREN BRYANT.

WARREN BRYANT, Recording Secretary.

THE MECAANICS' FAIR in this city commenced on the 12th and continued open till the 15th ult. The exhibition was highly interesting and was attended by a large number of visitors. More about it herestier.



DURHAM SHORT HORN COW "GYPSEY."

The property of William Fuller, Esq., Shancateles.

Gyrşıx is from the herd of the late S. Van Rensselaer, Esq. ; is seven years old, past. She proves herself valuable for stock. Mr. Fuller has herd Gree heide calves from her in three years, and all of them promise to make fine animals. She is remarkably easy kept, thrives readily and is a very good handler. It is no known how much milk she would give through a season, as she has always suckled her calves. Mr. Fuller's mode of raising them is, to let them run in the pasture with the cow, the first summer, then treat them the same as the rest of this stock.

(The above drawing was taken at the Syracuse Fair, and is believed to be very correct. Mr. Fuller has not had an opportunity to inspect it. -- Ers.)

Mr. Allen's Importations of Stock.

Mr. A. B. Allen paid us a short visit a few days since, on his way home from England. He has been very successful in the purchase and importation of some very superior animals. The first shipment was per packet ship Mediator, and consisted of Berksh re swine of very large size. One of these "stood three feet high, of great length, and would fatten to weigh about 800 lbs." Another shipment was per packet ship Wellington; and last a general assortment accompanied by himself, per the Hendrick Hudson, cmbracing some very large swine of the Yorkshire and Kemlworth breeds, which, it is stated in the Farmer's Journal, will fatten to weigh 1600 lbs., but Mr. Allen thinks the maximum about 1300. (Large enough in all conscience, and we think Mr. A. can now satisfy even the Kentuckians.)

IMPORTED STOCK.—We are happy to announce the return from England of our friend A. B. Allen, Esq., of Buffalo, who has visited Great Britain upon an agricultural tour, and inspected all the principal herds of the Kingdom. Perhaps we have no one who could have done this to better advantage. Mr. Allen has long been devoted to the breeding of cattle, and has raised some beautiful Durhams and pigs, such as we have never seen surpassed. He now brings home from his excursion a large collection of South Downs, Yorkshire, Kendworth and Berkshite pigs, Shepard's dogs. Dorking fowls, English pheasants, &c. He has under his care, some valuable slicep, worth \$500 per head, for Mr. Stevenson, Bishop Meade, of Va., and F Rotch, Esq , of Otsego co., N. Y. Mr. Rotch's lamb is a South Down, only six months old, and yeighs 152 lbs. It is indeed an acquisition to our state, and we doubt not will be a source of profit to

1 From the New York Commercial Advertiser]

drick Hudson, Captain Morgan. gentleman trought out a very fine Durham cow for bushels, 3 peeks, \$15.00; Jay Pettibone, Vernon his own farm on the Connecticut.

Oneida County.

The Cattle Show and Fair of this county, was held at Hampton, on the 20th and 21st ult. & The Roman Citizen says respecting it, "although the weather was unfavorable, the extent of the exhibition exceeded all expectation, and the village of Hampton was filled to overflowing in every nook and corner. It has exeecded all our most zealous friends had dared to hopeand it has, forever, we trust, put to silence the evil forebodings of those, who have prophesied evil of this Association, designed to do so much good to the Farmers and Mechanics of this county. The display of working Cattle, Cows, young Cattle, Sheep and Swine, was very fine. In the Dany Department, Oncida has done her duty. The samples of Butter and Cheese, were such as to challenge competition. In Domestic Fabrics, there was a sad deficiency but we trust it will not be so another year.

There were many fine horses exhibited, though great improvement is needed in breed of horses, and some matched and draught horses, as well as Studs, and breeding Marcs, were of the choicest description.

The amount of premiums paid, was \$614." The report on Field Crops, we deem valuable for

the purpose of comparison:

"To Elisha Pettibone of Vernon, best acre of winter wheat, 275 bushels, sample exhibited of the very be t quality, \$15.00; Julius Curtis, Westmoreland,

The last named Nathaniel S. Wright, Vernon, best acre of oats, 10 P. Johnson, Rome, best half acre potatocs, (Silver Lake) quality and quantity e na dered, 106 bushels \$10.00. James Phinney, 1 cst balf acre quantity alone, 102 bushels, \$10.00. Lyman Stoddard, Westmoreland—2d best ½ acre—

to quantity--178 bishels, \$5 00:

Benjamin P. Johnson, Rome-Best 1 acre Rutt Baga-213 bushels, \$1000.

The officers regretted that they were obliged to ex clude the crop of Corn of Stephen Scott of Lee which yielded 97 bushels and 40 lbs, to the acre--and the crop of Oats of Elizer C. Burton of Lec, which yielded 84 bushe's 20 lbs. per acre."

Omission.

The mark (†) was omitted in two places where i ought to appear in our last. The first is the art-cle on The Pear Tree p. 147 and the next is Driving Nails into Hard Wood, at p. 159.

Died-The Canadian Farmer and Mechanic which we noticed last month is said to have died--from want of care and nourishment.

New Genesee Farmer.

We doubt whether there is any thing of which tho "Empire State" has nore occasion to be proud, than of its Agricultural Literature. The Cultivator at Albany, and the Genesce Farmer at Rochester, are both noble repositories of agricultural science, and with their immense circulation, n est have a mighty influence on the farming interests of that and the neighboring States. As their successive numbers come before us, we cannot but admire the richness of their conbest acre of coun 21 bushels 36 lbs. \$45.50, the corn tenta, nor forboar reflecting on the bencheint results, was excellent from comple. Elisha Shaw, Rome, 2d that mass flow it in such an extensive diffusion of aghe importer. Me A came a gassenger in the Hen | best agreeory, 53 bushels, 16, very good corn, \$50 00, | neultural knowledge.-Maine Temperance Garette.



ROCHESTER, NOVEMBER, 1811.

To Henders and Correspondents.

Several communications are unavoidably deferred his month, in order to make room for the reports of Tairs &c. We trust however, that this number of ur onper will not be found Jeficient in interest, even our most diamnt renders.

The second communication of C. P. T. "on the importance and utility of the dissemination of knowldge among Farmers," is received, and shall have a lace in our next. The author informs us that a want f time prevented him from furnishing it several nontus ago, as was intende l.

The Peas received from Chs E. Norton, So. Bervick, Maine, are called Knight's Tall Honey Peas; bey are the best variety known for the table, but grow so tall as to make them objectionable to many.

The specimen of Wild Pea from A:a A. Burnham, Esq., Cobourg, is the Lathyrus renosus of botanists. t is not often, though occasionally, found in these parts. The flowers are quite ornumental, resembling he Sweet Pea of the gardens, to which it is nearly

S. C. is informed that we know of no process by vhich good wine can be made from the native Frost Frapes.

"Monroe," and some others who wish to draw us nto an endless Chess controve: sy, shall receive attenion next month.

Trial of Ploughs at Syracuse.

The late trial of ploughe at Syracuse, under the diection of the State Committee, it was reasonably exsected, would be attended with most important reults. When it is considered that the yearly cost of daughing in the State, amounts to millions, it becomes evidently a matter of no small magnitude, it hat cost can be diminished one third or one half.

In offering a few remarks on that trial, it may be well to state, that the writer, although of the Commitce, was unavoidably absent when the decision and refort were made, which he has not seen, consequently no other of the Committee is responsible for any thing here said.

That the trial was unsatisfactory, none can deny. The failure of the Committee to meet previously, and make necessary arrangements, caused a confusion at the time of the trial, which alone would have preventde complete success. Most of the members of the Committee who were present, were appointed to fill vacan cies on that day, and consequently had no time to inform themselves of any particulars relating to the suboct. Suitable ground had not been selected, and its anevenness rendered the strength for draught so constantly varying that it was impossible to determine it accurately. The Dynamometer was very imperfect, though exhibiting with some accuracy the relative draught of each plough. Only one kind of soil was tried, which was so much drier than is usual in idoughing, that it was not a fair test of the operation generally. The Committee had full opportunity to examine the construction and operation of each plough, so far as it could be done by a single trial in dry sward, and that their decision is not far from the truth, is to be taken for granted. We doubt much if a finer collection of ploughs or even as fine a one, was ever before seen. The improvement in one year alone, has 'een 'ery grent. And we hope that the unsuccessi! competitors will not be discouraged its presenting their ploughs again next year, when it is hoped a fuller trial may be made. It was to be regretted that some ploughs entered, were, in consequence of the rain and confusion, not tried, among which were an excellent plough from Stephens Cook of Onondaga county, and the celebrated Howard plough, from M. B. Batcham of Rochester,*

One of the ploughs was rough from the furnace, some had the mouldboards painted, some were well scoured by use, and others were even ground sharp at the point; all of which tends to vary the result.

As the object always in pointing out errors is to avoid them in future, the writer respectfully suggests the following points, among others, to be observed in future trials.

1. Let suitable ground be selected beforehand; it would be better to pay a sum of money for its use, than to have that which is bad. One field should be clayey, another medium loam, and another sand; a part sward, a part stubble, and a part recently ploughed an I harrowed. Let it be the most even and uniform that can be found, for the trial of the dynamometer. The ploughs may be tried on rough or stony ground without this instrument.

2. Every plough should be accoured bright by previous use, and have no additional preparation by grinding or o acrwise.

3. The relative force exerted in ploughing different widths and depths by the same as well as by different ploughs, should be earefully measured by the dynamometer. Especially the force required in cutting through, and below, the grass roots in green sward, and in running so deep as to lift the subsoil : and the comparative friction on long and short mouldboards, in light, and in adhesive soils.

4. The quitty of the work done by each is to be particularly noted.

5. One ploughman, and one team should be used for the whole. If one of the Committee be the ploughman, all the better.

6. It is of the MOST VITAL IMPORTANCE. that the trial be not made on the days of the annual fair. To attend properly to all the above particulars, two or three hours are the very least that could in any wise be in justice bestowed on each plough; more time would be desirable. If fifteen ploughs were entered, as was the case this year, several days would necessarily be spent in their proper examination. Some other time should therefore be taken, and an agreement be previously made with the members of the Committee, to be faithfully at all times on the spot, which they would doubtless be willing to do, for the sake of scenring a full, faithful, and indisputable decision, on the merits of this king of instruments in ngriculture.

* Great credit should be given to Mooers and Stater, pro-prietors of "Barnaby and Mooers' side-hill and level land plough," for their persevering experiments with the dynadetermine the form for the most easy draft for a good mould-board, with other improvements.

If any apology is necessary for the length and somewhat too scientific unture of the following article, we think the importance of the subject in relation to the wheat growing interests is a sufficient one .- EDS.

From the Albany Cultivator.

The Hessian Fly and other Wheat Insects. EXPLANATION OF THE ENGRAVING.

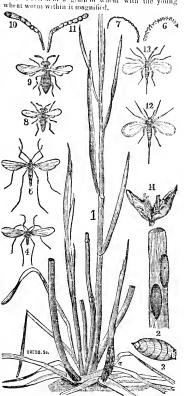
Whent stalk with the larva of the Hessian fly deposited-three of the stalks punctured by the lelineumon, Ceruphron -natural size, 3 20ths of an inch. a. a. larva and pupa.

2-Section of the wheat stalk, with the larva mag-

3-Lara advanced to the pupa state, magnified. 4, 5—Male and temale Hessian fly, Cecidomyin de structor, magnified—6 antenna of the female.—7 antenna of the male.

structor, magnified .- 10 antenna of the male -- 11 antenna of the female.

12, 13-Male and Female wheat worm fly, Cecidomgia tritica of Kirby, magnified. H-Section of a gimin of wheat with the young



There is, perhaps, no period of our agricultural history, wherein the ravages of the Hessian fly have attracted more attention than during this season; the memorial to Congress of the individual who professes to have discovered a remedy, and who is asking for a compensation; the reference of this memorial to the Committee on Agriculture at the very moment that efforts are making to establish a National Society; the observations of MARGARETTA MORRIS, nitracting the attention of so many eminent men and so many neute observers, joined to the extent of the insect's depredations, and to the advancement of agricultural serence in all its departments, except entomology, have combined to attract this attention. Among other contested questions, arising out of the discussion, is the identity of this destructive race, Cecidomyia destructor of Kirby with the wheat worm of New England, the Cecidomyio tritica of the same author. The circumstance of the great Linnaeus making but one species, under the name of Tipula tritica, is itself a strong indication of their identity. Whether future investigations will enable us to restore the system and the nomenclature of this great Sweedish naturalist, time alone is to determine. I frankly acknowledge that I dislike innovations upon such perfect systems, and think, as the Hibernian would say, that the two insects are identical; but while we should frown upon all attempts by men of science to introduce new names for the purpose of extending their own pretended discoveries, we should be equally disposed to encourage accurate investigation into the true character, habits, transformations and operations of insects:

"The shered sons of vengennee, on whose course Corresive famine waits, and kills the year.

Having recent y returned from a visit through a wheat country where its ravages have been reverely elt, and found that farmers have many more words 8, 9-Male and female Johnsumon, Ceruphron de han ideas is pecting it; that there is n uch centise q in their views, some calling it " the insect," without ever thinking or inquiring whether there are two; others describing what is unquestionably the Hessann fly under the name of the "wheat worm," without knowing whether the worm became an insect, and some vice versa; while some are ignorant enough, and they are no very limited number, to confound it with a coleopterous insect of the beetle tribe, known at the south as the weevel, which intests the granery and the barn,-I have wished myself entomologist enough to describe this depredator or depredators; and let future inquirers tell whether the descriptions can be so reconciled as to make them either cogenetic or identical, but as I am not, and like all other men are prejudiced in favor of Lay own opinions, the attempt will only be an approximat on to the truth. It is nece-sary to remark that the Hessian fly, (Ceridomyia destructor of Kirby.) is the only one known south of inutude 40°. It is a singular fact, tending to the establishment of the affirmative of this question, that the Hessian fly and the wheat worm in the same stage of their existence, are preved upon by a parasitic insect of the order Hymenoptera, (four winged,) belonging to the genus Ceraphron of Latrielle: "This is frequently taken for the wheat fly or Hessian fly, from the circum-tance of its being frequently found in vast numbers during the devastations committed by that insect, and many have been deceived by the specious circumstance of its evolution from the pupa of the Hessian fly under their own eye;" when in truth it is the only protector we have from the total desiruetion of our wheat by the rapid increase of the fly, and belongs to that vast class of insects included by Lennees under the name of Ichne mon; this insect deposits her eggs in the larva of the Hessian fly, through a puncture made by her acute oviduet in the stem of the wheat; and this puncture has given rise to the opinion, and in fact furnished the whole ground for it, that the Hessian fly piecees the wheat stalk for the purpase of depositing its egg in the manner I have endeavored to delineate in the above figure, when it is the inva isble evidence of the destruction of the fly, and of the birth of its deadliest foe : and is indeed a wonderful display of that instinctive faculty by which the genus Ceraphron is enabled to find the true place of deposit, where her young, protected by the indurated covering of the fly in its pupa or flaxs ed state, feeds securely until the latter is killed. If the westher happens to be unfavorable to the Ichneumon, or if any other cause prevents its effecting this operation at the proper period, the following season is always a dreadful one to the wheat grower, as the fly upon an average has about eight or ten young, whose ravages over the whole race of the wheat growing region are

commensurate with their increased numbers.

In the British Fartner's Magazine, vol. 3, p. 493, we are tol: that the larrea of the Cecelomyja tritica, the acknowledged wheat thy of New-England, are too neknow eagen wheat my of New England, the proved upon by the Ceraphon, an Ichneumon fly, which deposits it eggs in the body of the larvæ of the whent fly. "I could not determine," says the very accurate an hor of that article, " whether it actually deposits its egg in the maggot's body , but there can be no doubt of the Ichneumon piercing the maggot with a sting ; and from stinging the same magget repen edly, it is probable the fly delights to destroy the innuggots, as well as to deposit eggs in their bodies. We shall see presently that the use of the words barra and magget in the above extract, indicate strongly, that if the writer has not the Hess an fly before him, he has any thing but the wheat worm of New England; and he uses the terms "Cecidomyia tritica"

in the same sentence. I think myself fully justified in asserting, that the puncture so often observed in the wheat stalk is made only by the Ichneumon, because I have frequently been with Thomas Say, when pursning his investigations upon this inecet, and have seen and assisted in stripping down the glume or leaf of the wheat stalk, examining the dead or punctured larva, and the living Ceraphron; and the circumstance furnishes additional testimony to the truth of MARGARETTA MORRIS discovery, that the fly deposits its egg on or in the grain, and not in the stalk. It seems indeed impossible that the Hessian ily should effect the latter object without puncturing the stalk or stripping down the leaf; but it is not so clear an impossibility that it should be lain in the root Whether laid on the kernel or in the root, it must have grown with the growth of the plant ; and if in the latter, it will probably be found more difficult to provide a remedy. If the Hessian fly sud wheat fly both deposit their eggs on the grain, it shows that some of their habits are similar. and that the ova most probably passes through the same process in its transformations.

I frankly acknowledge that Margaretta Morris' ob-

servations received no favor in my eyes. it so well ascertained that the Hessian ily deposited its egg in the stalk or culm, that her conclusions exas egg in the such of count, that her convenion that enter than convenion. Having been so much in the company of Say, and having relied so much upon his accurate habits of investigation, my faith was not to be shaken by a woman ; but it is not the first time men have been compelled to yield to the other sex; and the principal disculty that remains is, that the Hessian fly has not been seen in the state of a worm, nor the wheat fly in the stalk or culm, by any person who is willing to become voncher for the The insect, whose operations she watched so attentively, may then fore have been the Cecidomyia tritien, which, it is notoriously the opinion of all New England, deposits its egg on or in the berry; and then, "credat judeas appella, unikes its next appearance in the shape of long, then infusoria, their bodies. in the earliest stage gelatinous, semi-transparent, homm the earnest sugge generations, seem anaparent, temporary, contractile, without vertebra, or radiated tentacula, feeding in the herry until it is all eaten.— While on the contrary, the Hessian fly in all its earlier stages is found within the stalk; its larva when first produced from the ova, is white, its tail very acrte, and abruptly sttenuated, the head incurved; the up per surface of the body exhibiting a glassy or hyaline aspect, with an internal viscera like a greenish line : underneath it shows thick white clouds, which as it advances to the pupa or flax-seed state, becomes united so as to exhibit regular transverse segments; when tsken from its early membranaceous covering it seems perfectly inert ; but when the pupa is advanced to its tull stature, and assumes a dark reddish brown color, like flax seed, with its jointed covering firmly knit together, I have known it to start and roll over several mes on being removed from the wheat stalk. macet whose habits were thus watched by Margaretts Marris, was observe toy her from the time of depositing its egg until it became a larva in the culm or stalk, or if its progress was marked from the latter state until the egg was deposited on the berry, so as to say with certainty that it was deposited by the same insect that was hatched from the larva that occupied the culm, then I think the identity of the two is placed almost beyond controversy. It is plain that the writer in the British Magazine could not have spplied the terms magget and tarra to the worms described by Judge Buel. We have now arrived at what seems an insuperable

impediment to recognizing the two insects as congeneric, viz.: the birth from the ova, of a hving active worm in the one case, and of an inert vertebrated larva in the other; and I must be permitted 'ere to make the remark, with perfect deference to the judgment, the accurate observation and excellent intention of that grent and good man, Judge Buel, that he has largely contributed to circulate erroneous views upon this important subject. In looking over the early volumes of the Cultivator, I find all his information derived from others; most of it from British writers, and some from very inaccurate correspondents-not one syllable from a man of scientific investigations -In vol. 1, p. 82, he considers the wheat warm as ovi-parous; and even goes so far as to disp to the exist. ence of a fly altogether, giving from authorities nearly forty years back, drawings of the full grown worm, in the very set of laying its eggs within the kernel of the wheat where it had attained maturity. The whole of this article commending and adopting a report to some English Society, and to be from the pen of Mr. Bauer, is evidently a labored effort, not to identify the wheat fly or C.cidomyia tritica, (whose existence is disputed,) with the insect then making such disastrous displays of its power; but to show that the injury was not to be imputed to any thing belonging to the That the Judge was soon obliged to class insectu. modify this opinion is manifest from the subsequent numbers of the same vol. p. 115, where he confounds it, through the agency of a correspondent, with the weevil; and in vol. 3, p 65, he admits it to be a snuff-brown fly, and snys it is sometimes confounded with the accepil; and finally on p. 118, he arrives at the same conclusion as other naturalists, and makes it a FLY, depositing its eggs on the wheat, but dropping when in the pupa state upon the ground where it re mains during the winter. As all the prevalent no-tions of the wheat worm deriving its existence from the wheat fly, have originated from this or some equally loose foundation, without any accurate or properly authenticated investigation, I shall take the liberty of thinking that the wheat worm is the Ascius pumilarius, which is said to have been so destructive in Scotlast, which is some to have been so destructive in Sori-land in the year 18:30, (Country Times, May 17, 18:30.) I place all the *flies* that infest the wheat, if indeed there are more than one, under the order *Dip*tera. Mr. Bsuer (and Judge Buel endorses his opin-

ion) calls his worm the l'ibrio tritica, which in plain English, means a fly ribrating or quirering over the wheat, -and at the same time furnishes a place of a scarm laying its egg in the grain, and surrounded by its young brood, as described in the figure; the Judge naturally enough adopting the figure and rejecting the Laun cautions his readers against the opinion of a fly originating to much mischief and argues in favor of

the worns. But the whole argument derived from the deposit of larva in the one case, and of a living animate being in the other, may be put on the debtor side of our profit and loss account, when we know that there are a considerable number of insects of the order Diptera, and a large number of the Vibrio, that are oviparous and viviparous in the same stage or period of their existence, i. e. they produce young ones alive in the spring, and then lay eggs till autunn. Whether the Hessian fly or the wheat fly possess this power, I am not insturalist enough to decide; that they neither of then produce hving animated contractile worms, I am fully satisfied, as well from all the analogies of nature as from the writings of those who favor such as opinion in the columns of the Cultivator. They have had no more success in convencing me of such an opinion, then they would have had if they had traced the genealogy of the House of Hapsburgh-or the transo utation of wheat and chess to the same source When the two insects attain what is called the perfecor fle state, they are so exactly similar that I am at t loss to make the necessary distinctions; and if there is any, it probably arises from the one being hatcher from the ova and larva in the grain of the wheat the -ame season, and the other remaining over the win ter, and growing with the wheat sialk. ing very significant remark of Say, who had Kirby Entomology before him, is worth noticing upon thi subject: "When several of them (Ceculomyia de st uctor) are contiguous on the same plant, he pies sure on the body of the larva is unequal, and an int quality in the form of the body is the consequence.'

It is admitted by all scientific writers, that in bot sp. cies of the Cecidomyia, the attenns are fillform with joints subequal and globular; wings incumber and horizontal, and proboscis sahent or moving wit a snap; their legs and poisers the same in form an number. Having myself never seen any but what thought the same insect, and having no compoun microscope, but only a small magnifying glass, n description of the Hessian fly would of course be no very minute, but the head and thorax are black; with ciliate dark brown, longer than the body ; the abdmen itself is brown and is covered with short blac hairs. This description is from the living specime Now what says Kirby, who describes both insect and every other writer who undertakes to describe the Cecidomyia tritica-tnat the head and thorax a black, budy of a dark orange bue-wings brownie fringed with stender hairs, incumbent and horizonta shorter and wider than those of the Hessian fly a approaching more to the sub oval; the whole i sect somewhat less than the Hessian fly. He rep sents it as having a sting or puncturing instrume which we have not yet detected in the Hessian f but which it is very probable the latter also possess

If I should follow the example of Judge Buel,; ject the writings and adopt the drawing of the who head from Kirby, it would be very easy to a ow the every worm definented in the wheat is a true larva a fly ; the joined segments, membranaceous coveris and general aspect indicate this very strongly; a the circumstance of its being preyed upon by the Ic neumon, corroborates the opinion. Friendville, Pa. 7 mo. 29, 1841. HOLKHAM.

Agricultural Address at Rochester.

The Address delivered before the Monroe Com Agricultural Society was listened to by a large a evidently highly gratified audience. Nothwithstan ing the hour was late, and many farmers had a le way to go to their homes, none seemed to regret time occupied, or wish it were shorter. At the ch it was unanimously resolved that a committee he pointed to wait on the Speaker and request a copy the Address for publication. We do not often de it expedient to occupy our columns with agricultu addresses, but this one contains so much import truth, so well adapted to the times, and so eloquer expressed, that we think we should do our read injustice by refusing it a place in the Fermer.

wish every one of our twenty thousand readers would rend it, and we believe none who do so will regret the space or time it occup e i.

Rochester, Monday morning, Oct. 18.

E. D. SMITH, Esq. - Dear Sir: The undersigned by a resolution of the Society, were appointed a commistee to request a coay of your address, delivered before the Agricultural Society on Saturday, for publication, in obedience to which we now respectfully request the favor of a copy thereof for the purpose a foresaul.

L. BROOKS, M. B. BATEHAM. HENRY M. WARD.

Rochester, Oct. 19, 1841.

Mesors, Lewis Brocks, M. B. Batehan, and Hex-BY M. WASH-

Gents - I have received your polite note requesting a copy of my address for publication. The request implies a complement to the address which I fear the public will deem undeserved. The address was has tily prepared, upon a short notice and in the midst of pressing professional engagements, and I should greatly prefer not to have it published; but upon reflection I have concluded that if it is supposed the address will in any degree promote the interests of agriculture, I am hardly at liberty to withhold it. I beg leave to say however, what is well known, gentlemen, to you, but may not be to all who may read the address, that the orinions expressed in it have this confirmation in my practice; that I removed from this city some two or three years ago, on to a farm in an adjoining town where I now actually reside and cultivate such farm.

I am yours &c., E. DARWIN SMITH.

ADDRESS

Delivered before the Monroe Co. Agricultural Society, By E. DARWIN SMITH, Eso.

Mr. President, and Gentlemen of the Society:- The first instruct of man is to provide for his subsistence. The first effort of his reason will be to determine how this can best be done. If man were like the bensts which perish, and had no higher purpose-if satisfied with a sufficient provision for his animal wants-he had no ungratified wishes--no lottier aspirations, the necessities of his nature would require of him but small physical exertion, and the character of his emplayment would be a matter of much indifference .-But such is not man ; ho "feels within himself an unergy divine;" he is conscious that his existence here has a higher aim -- he is filled with longings for a better state-ie believes there is in reserve for him a nobler destiny.

When, therefore, man looks around him to carry out the primary instinct of his nature, as a rational being possessed of an immortal spirit, he naturally seeks for such employment as will best enable him to provide for his physical wants, and at the same time be most conducive to his imppiness here, and most subservient to the great end of his being. He finds in the sample doors of Providence-" by the sweat of thy face shalt thou cat bread"-that he must dig his subsistence from the earth. For the most of mankind there is no other alternative. The inquiry then naturally arises, Is the employment of the agriculturist best adapted to promote the true interest and happi-ness of man? The affirm stive of this interrogate y, it is my pur, ose to illustrate. All the enjoyments of more sonse centre in good health. To a diseased or mekly frame, what lexury addressed to the palate can minister gratification? To a pale, emaciated, heartstricken being, what is there in the magnificence of a palace, in the pride and pomp of wealth, in the graces of beauty, that can confer any thing more than a painful and transient emotion of pleasure. Where, then, do we find good health—the chiefest blessing in existence—to so great a degree as among the cultivators of the soil? The laboring man knows nothing of the dyspepsy, the gout, and the numerous other ailments that afflict the sedentary and the inactive.

Laboring in the open air strengthens and invigorates his constitution, gives a keener relish to his food, and a sweetness to his sleep, at erly unknown to the luxntions idler.

He may be without some of what the wealthy and efferminate of the cities call luxuries; but he has a sumpler taste and fewer attitud wants, thy inhabitant of the city may live in splender, surrounded by his retinne of servants, -the farmer, like the patriarchs of old, lives in simplicity, a servant unto hiniself.

A luxurous dinner may detain the gentleman of the city two or three hours at the table. More frigal of his time, and more rational in his taste, a simpler meal satisfies the farmer. The citizen may sip his wine after dinner, and desipate his evenings at the theatre, or other places of amusement. The pure cold water of the hubbling spring is the luxurious drink of the farmer, and his evening amusement is gathered in the bosom of his family, imparting instruction to his children, and receiving happiness in return from their duiful attention, from the interesting developments of their budding intellects, and from the many testimonials of gratifude and affection which their simple, pure, warm young hearts prompt them to

So fur then, as good health and more animal on in m-nts are concerned, the cultivators of the soil have greatly the advantage over any other class of men.

But it is not chiefly in these respects that I claim superior adaptedness in the employment of the agricuitarist to promote the true happiness of man.

The greatest source of happiness among men is far above the mere gratifications of sense: it has in the cultivation and development of their mental and moral pawers.

So far as mental power is concerned, it is a well settled truth, that the increased physical strength which manual labor confers, imparts also additional vigor to the mind. Hence the capacity for mental improvement exists in a higher degree with those who labor than with those who do not. But it may be labor than with those who do not. But it may be said that the agriculturists have not the same time to devote to the cultivation of their mental powers as some other classes of men. This is not necessarily so, so far as primary education is concerned. There is no reason why the farmers children in this country should not be as well educated as those of any other class, and so far as mere common school education is con-cerned, they generally are. When the farmer has a good education at his setting out in life, he will not nrally be constantly adding to luc store of knowledge, by reading and reflection. It is doubtless true, that a farmer whose necessities require him to be constantly employed, cannot make the same advances in the aciences, as the man of wealth and leasure. Neither is it essential to his happiness that he should do so. In the present state of envilozed society there must be a diversity of pureuits-the exigencies of society require

It is not best or fit that every man should attempt to be his own physician, lawyer, tailor, cobbler, and the like. Greater excellence is attained in the various departments by these divisions, and community is of course much better served.

Now I ask not for the farmer that he should specially excel in any department but his own; it is not to be expected; but I do ask that he have a fair start st the beginning—that he be as well educated at adult age as the rest of the community; then I say that his employment is most favorable to mental improvement.

The farmer leads a quiet and penceful life. He has more time for reading and reflection than the mer-chant, the mechanic, or any class of business men, except such reading as necessarily falls in the way of the professional man. The merchant, the artizan, or other business man of the city is in a constant whill of activity and excitement. His store or his work-shop, his ledger, his notes at the Bank, the protests he receives or fears, the fall or rise of stocks, the fluctuations of trade, the competitions, and strifes, and bustle of business, the thirst and the plans for great gain, and the apprehensions of sudden less from the bankruptcy or fraud of others, occupy, unsettle, and fritter nway his mind. This class of men read much less than the farmers of the country. They may take their two or three daily newspapers and other periodicals; they glance bestily over their contents and then throw them aside, no more to think of them. How differ ent is the case with the farmer. He takes his weekly or semi-weekly paper for general intelligence, and his agricultural paper, and perhaps others. He reads them carefully at morning, noon, and evening, and ponders well thoir contents. Besides this, he has much time for histories!, scientific, and miscellaneous reading. As he follows his plough, as he hoes his corn, or milks his cow, his mind is busy with what he is rending.

But if the farmer reads less than the business man of the city, it is not those that read the most, that know the most, but those that reflect the most.

Who ever, among professional or literary men, has had occasion to image with the farmers of this country, at least in Western New York, and spend a night now and then at a larmer's house, cannot fail to have been delighted, perhaps surprised, at the extent and variety of the farmer's information, at the strength and vigor of his thoughts, at the acuteness and force of his understanding. Such has been the epeaker's experience on more than one occasion, and he is proud to pay this tribute of respect where he thinks it is so maily due.

But if the farmer equals, if not surpasses, most other classes of men in intelligence, he finds not behind any in virtue. The employment is peculially invorable to party. "For him the spring distils its dews." Ho notes each declinit g sun-he marks each rising cloud. When he scatters his seed he puts his trust in Providence for its germination. He watches it as it springeth up, knowing that his pure arm cannot taske even a blade of grass to grow. It the earth is dry and parched, he looks to Him who hath set his bow in the cloud, and hath promised the early and the latter rain. More than to other men each day's labor suggests to the farmer his dependence upon a Supreme Being .--To most other classes of men it matters not, whether the san shines, or the tempest lowers, or the rain descends in torients, their daily avocations are the same.

Like the nuriner tossed upon the billows of the troubled ocean, he is constantly at the mercy of the el men's. Il s fields of grain, one unpropitions shower, one storm of had, one untimely frost, may destroy.

When, then, autumn comes, and "tinges every fertile branch with blooming gold," and he gathers in the corn fully ripe, must not his Leart overflow with gratitude to Han 'who rideth upon the whirlwind and directs the storm??

The farmer must be a good citizen. He is too busy to be vicious; he has no time for plotting mischief an I wrong; he is removed from the temptations to erime; he is the centre of a social, moral influence; his every action is known to his family and to entis; his ambition will lead him to be useful; Lis position makes him independent, high manded, and patriotic.

Toe occupation of the agriculturist is supposed by many to be unfavorable to the cultivation of taste and and legitimate sense. If attention to the loppery of dress and the frivolities of fashion-"if sacrificing substance to show, and substituting the artificial for the natural" -- if a passion for vain and trivolons amusements, it a contempt for all industrious employment, if a paltry affectat on of exclusiveness and custe, if a taste for trilling and senseless conversation, and an exclusive regard to the accidental cucumstances of hirth, or wealth, or position, constitute superior refarmer, and the farmer's sons, and t'e farmer's danginters, are destitute of taste and refinement,

But if good sense, elevation of thought, respect for mental and moral worth, and a capability of discerning it, if a sensibility to all the beauties of nature and of art, if an admiration of what is grand and sublime in the works of the Creator, or magnificent, or great, or noble in the works of genius, or in the developments of mind, constitute or indicate good taste and refinement, these belong to the cultivators of the soil : and one well educated farmer's family possesses more genuine good taste, refinement, and peliteress, than all the gentlemen and tadies which the Parisian tailore and milliners have ever made.

If the views I have presented are just and coorrect how intrinsically respectable is the employment of the farmer !- and yet it is quit; obvious that these views are not generally entertained or practically regardedand why is it so? Certainly the greatest department of human industry-that which Providence has allotted for the most of mankind aught not to be dis-That it is to any extent disesteemed and esteemed. undervalued is the result of opinions and prejudices that ought long since to have been exploded. It is one of the criors that have come down to us from a feudal age-and monarchical governments-that to labor is not respectable. Because in the countries of the old world the farmer is a tenant or a serf-subject to the capriciousness of some arrogent noblemen—the opinion seems to be entertained by many who affect to give u tone to society in this country, that to labor with the bands is disreputable or alien to true gentility.

Hence, the age is characterized by a general struggle to escape from labor-the notions of the age seem practically to regard idleness as the only state of hapegregious the mistake!

Those who are raised to a condition of carcand independence seem virtually to despise those who are compelled to earn their subsistance by the sweat of the brow-not that many will admit this-not that many really think so when they trouble themselves to think at all upon the subject-yet many such persons actually do treat the laborer as though he were an inferior. This is radically wrong It is no dishonor to be a laborer. It is noble-it is best-it is wisest for man. It is a necessity imposed upon him by the Author of his being, more in mercy than in chastisement. It is unfortunate to be ignorant--perhaps a reproach, so far as the means of improvement are neglected-but to labor with his hands no man should be ashamed. It is the false pride of a weak mind to feel it is any degradation to labor. To work—what is it but to fulfil man's duty and destiny—to promo c his health-invigorate his body, develope his powers, and perfect his nature.

The desire to escape from labor is particularly indiented by the rush that has been for years going on and is still going on into the learned professions and into mercantile pursuits. How many a farmer in this county within the last ien years has listened to his son against his own better judgment-and strained himself to his utmost to set up that son in trade, or to aid him to buy city lots-or western land-and how many families have been mined by this greedy desire to accumulate property rapidly-us though wealth were the chief good. How many a father too, who had carned a handsome property by his own hard labor and honest industry, has been stripped of bia all, and been obliged in his old age to leave his long cherished home and seek a place to lay his bones in the far west, because his son wished, by trade or speculation to get quickly rich, that he might escape labor. But this is not all; how many a tather has selected his most weakly son, whom he thought too feeble to labor on the farm, and sent him to school and college to get his hving by a profession; as though men can live by their learning alone, and acquire that learning without the secrest and most depressing toil. How many Lives have been thus sacrificed ! But if any think that professional men escape labor, they are most egregiously mistaken. When all the professions are so over-erowded and surcharged, as at present in this country, no man can get a livelihood honestly, in any profession, without the greatest exertion and the most laborious application. The professional man who attrins eminence, or even respectability in his profession, labors herder than the commonest hadman. Unlike the farmer or the mechanic, his task is not done at the setting sun. The midnight lamp witnesses his toil, and his wasted health and his enfectled body testify the price he pays for whatever of distinction he nequires. No-fellow-citizens, you may assure your sons that no professional man reposes on a bed of TOSES.

It is not my purpose to exalt the employment of the Agriculturist at the expense of other occupations. -Fai be it from me to depreciate the mechanic a is, or any other department of industry. The exhibitions of the last few days in this city, have presented many works of skill, ingenuity and teste, to exerte an admiration, and make us proud of our relations as neighors and friends to the mechanics of this county .-The Mechanics' Fair jost held in this city, reflects much honor upon the mechanics concerned in ithonor upon Rochester-honor upon the county of Monroe.

But then, I must insist that the artizon is not generally surrounded by influences so happy-so clevating and so eanobling as the farmer. He is ordinarily pent up in crowded cities --- those festering sores upon the body politic." But he has even there some udvantages over farmers-principally, however, in the facility with which he can associate with others in the same condition. The mechanics can often meet together, and by means of their Trades, Union, and other Associations, are doing much to elevate themselves These societies, the offsprings of free inas a class, stitutions, indicate the existence of a noble impulse pervading the popular mind—an impulse that is calculated to break down the social barriers and artificial inequalities that exist in society, and place oll men apon the republican ground of a common equality.

It is in the same spirit and for the same purpose that Agricultural societies are formed. Such societies are eminently calculated to clevate farmers as a class. Their object and purpose is to remove, as far as practicable, the disadvantages attending their dispersed con hum. They seek to bring together those who Jo! ow a common occupation and have a common in- for their noble and efficient zeal, we are obliged to

piness or respectability. How false the idea ! how teres. They serve to promote acquaintance and social feeling-to excite children and to stimulate activity and enterprise. These societies now, through the munificence of the State, are springing up in every county, and are calculated to do great good-every farmer should sustain them by his aid and his influ-

It is true that the premiums which these societies are able to award are but trilling-but they can be increased and will be, as farmers more generally contribute to their funda. But it is not the prenuums that our members chiefly look to. These cannot be swarded to but few-and diversity of opinion may ause and doubtless will exist in regard to the discrimination which he various committees must necessari-The committees may eir-but what of that?-the principle of improvement is the point at which we aim. If but twenty farmers in the county give increased attention to the cultivation of their farms, by reason of this society, much is attained .-The experiments, dsicoveries and improvements of

these twenty farmers may do incalculable good. Let but one half the farmers of this county come into this work, and let the New Genesic Farmer, (which permit me to say should be a constant visitor in every farmer's family in this county,) herald monthly the improvements and discoveries which would be madeand what important results for the farming interest of his county, and this whole country would be proluced.

The American farmers have a noble field for cultivation. In the r hands is the destiny of this nation. "To them is committed the ark of man's hopes" and it remains a fearful problem to be solved "whether they will faint by the way or bare it on in tri-

Farmers of Monroe—Are you prepered to meet your nigh responsibilities? In the heart of one of the linest sections of country in the world-occupying a soil of unsurpassed fertility - with hardly a waste acre of land in your county-where luxuriantly grows all the frui's of a temperate climate-possessed of extraordinary facilities for the marketing of your surplus products, and for the diffusion of intelligence and the interchange of social offices-what may not the world expect of you in advancing the important interests of Agriculture, and in carrying forward the great cause of human rights and christian philanthropy ?

Who can tell but that from this Fair, an impulse may be gathered which in the process of years may result in converting this county into another Paradise, and in rendering its inhabitants the most enterprising, the most intelligent, and the most enlightened in all America

The Fair at Syracuse.

Before this paper reaches our readers, most of them will doubtless have seen pretty full accounts of the Catthe Show and Fair of the N. Y. State Ag. Speiety, held at Syracase on the 29th and 30th of Sept.; and as our columns are very much crowded this month, we have concluded not to give any detailed remarks concerning it. The exhibition was a very good one, and if in some respects it did not quite equal our expecto ione, it exceeded them in others, so that upon the whole we were highly gratified, and became fully convinced that the annual Fairs of the State Society may be made eminently useful, as well as interesting. The attendance of farmers was very great-and the bringing together of such an assemblage of intelligent and public spirited Agriculturists, from all parts of the country, cannot fail to produce the most benificial results. It is proposed to hold the Fair at the same place next season, and if that is agreed on we fell quite safe in predicting that it will be a most splendid affair.

We were greatly disappointed at the late Fair, in that there were no cattle or stock of any description from the Western counties. Our Western friends are greatly at faalt in this thing, and we will not attempt to screent to trom the censure which is justly east upon them It is true, the expense of transportation was great, and, in one case sickness was a partial excuse, still those are not sufficient. The Eastern stock owners expected and desired competition from the West; and while we give them great praise

confess that our favorite Western New York will stand diagraced until by proper exertion she retrieves her character. All we can say for her is, we believe that she will be well represented next year, and that a goodly share of the premiums will go to pay the expense of transporting Western animals.

Want of space, this month, compels us to omit some of the remarks connected with the reports of Committees; also the resolutions and proceedings of the Society. We may give some of them next month, together with the list of premiums on Field crops, and Butter and Cheese to be awarded at the annual meeting of the Society to be held at Albany on the 18th and 19th of January, 1812.

Award of Premittus.

CATTLE

Class I.-Bulls-3 years old and over.

To John M. Sherwood, Auburn, for his bull 'Archer,' bred by F. Rotch, Botternuts, 1st prize. To J. P. Prentice, Albary, for his bull 'Nero,' bred by him-

Bement, Albany, for his bult 'Astoria,' bred by himself, 3d prize. To Silas Gaylord, Skancateles, for his bull 'Splendid,' 4th

There were several other animals [in this class] on the There were several mure animals (in this cass) on the ground, possessing in the estimation of your committee, high grades of excellence, and they only regret that the premiums were not more innucrous. Among these, your committee particularly noticed the animals of Messra Melmyre, Van Bergen, Fonda, and Scats."—Report of the Committee.

Class II -- Bulls-2 years old.

To John Johnston, Fayette, Sencea en., for his bull 'Royal To John Johnston, Fayette, Semera en, 107 ins mar 160 at William, Irrel by G V. Sacket, Semera Falls, 1st prize. To Thomas A. Clark, Chitteanneo for his bull. Young War-dem, Ined by Thomas Hollis, Gilbertsville, 2d prize. To D. D. Campbell, Schemettady, for his bull. 'Rotterdam,'

nod by the sample of schemetrary, for his ball 'Kotterdam', bred by himself, 3d prize.

To Nicholas 'Garner, Burhington, for his buil '----,' bred by himself, 4th prize.

Class III .- Bulla-1 year old.

To Moses Kinney, Cortlandville, for his bulk 'Daniel Webster,' bred by G V Sacket, Senera Falls, 1st prize.
To Enoch Marks, Navarino, for his bulk 'Bratos,' 2d prize. To Benjamin Stoker, Cortland co. for his bull --To Joseph Baker, Opondaga co. for his bull ---3:1 ___ lth "

"Your committee beg leave to express their regret, that though the exhibition in classes II, and III, were very namerous, yet but few of the animals were in what they considered common store order; which rendered the effort of comparison with such as were high fed very difficult."—Report of Committee.

Class IV .-- Cows.

To John M. Sherwood, Auburn, for his cow 'Stella,' bred by F Rotch, 5 years old. 1st prize
To Lizra P. Prentice, Albany, for his cow ' Daisy,' 3 yrs old, bred by hinself, 21 prize.
To John M. Sherwood, Auburn, for his cow ' Daisy,' 12 yrs

To John M. Sherwood, Auburn, for his cow ' Pauscy,' 5 yrs To John M. Sicrwood, Augurn, for mecon August, old, thi prize.

To Gorning & Sotham, Albany, for their Hereford cow Matchless, imported, an extra prize, equal to the highest

Matchless, imported, an extra prize, equal to the figurest promium awarded on cattle-port beta a new and teautiful. A run committee forther report beta a new and teautiful. The committee forther in the committee forther in the committee forther in the committee for a cut, existing in Albany county, which they take pleasure in reconsecution to the attention of those who desure to improve the stock. Your committee recommend a special prenium of wenty dollars for the Hereford rew Matchless as we comsider her a very superior animal, and they would also sug-gest the propriety of effering and awarding premiums for the best blooded animals of each individual breed, Improved Short Horaed Durhams, Herefords, and Devous, at their next annual agricultural meeting, in reddition to premiums offered tor Al dest animals of any breed."—Report of Com.

Class V .-- Two YEARS OLD HEIFERS.

To John 31. Sherwood, Aubure, for his heifer ' Sylvia,' bred by F Rotch, 1st prize.
To E P. Prentice, Albany, for his heifer 'Diana,' bred by bimself, 2d prize Hereford heifer 'Eliza,' imported, 3d prize.

Class VI .- YEARLING HEIFERS.

TO EZEA P. Frentier, Albany, for his yearling calf 'Charlotte,' heed by himself, Isa prize.

To John M. Sherwood, Advanç, for his yearling calf 'Nornathred by H. S. Bandah, Certland tille, 2d prize.

To John M. Sherwood, Advance, for his yearling beifer 'Diantile,' tred by J. Alexander, Burdington, 3d prize.

To William Paller, Skancaieles, for his heifer calf _____, bred by himself, 4th prize.

37 All the animals on which the alove prizes were awar-ded, with the exception of the Hereford cow and the Short Horn and Hereford heiter of Messas, Corning & Sothem, were thorough-I red amproved Short Horns.

Class VII .-- GRADE Cows.

To William Ward, Camillus, for his 8 years old half bleed Holderness cox, 1st prize, 1 to the years out and the lead To W. H. Sollian, Perch Lake Ferm, for his half blood Burlin cox, No. 1, 21 prize.
To W. H. Sollian, Feed Lake Vain, for his half Used Purlian cox No. 2, 3d prize.

Po W. H. Sotham, Perch Lake Farm, for his half blood Bevonshire cow, 4th prize.

"The best grade cow which came under our observation iclouged to G. V. Sacket of Seniera Falls, but he being one if the committee, generously with lrew her from competition,"—Report of Com.

Clas VIII .-- Grade Heifers.

To H. S. Randall, Cordandville, for his roan heifer, bred by go at 1.8. (tandal), Cordandyille, for his roan heifer, bred by himself, Is prize, Fo G. V. Sacket, Seneca Falls, for his red and white heifer, hred by himself, 24 proc. Fo G. V. Sacket, Seneca Falls, for his roan heifer, tred by himself, 34 prize.

himself, 3d prize.
c H S. Rankatt, Cortlan Iville, for his red and white heifer,
bre I by h mself, 4th prize.

Class 1X .-- NATIVE Cows.

"The committee on native cows would report that very ew cows, and those of an inferior quality, were to te found to the committee of the committee of the committee of Pley regret that the frames in this vicinity about the com-rained from taking advan age of the very liveral encourage-ariest effect by this society, by the false impression that yows were geing to be I cought from a distance which would have eclipse I the cows of this metalhorhood. We tree inows were going to be I rought from a distance which would are extipled the cows of this neighborhood. We are unwilling to believe that there are not cows in his videge and right in the would have bonneed the exhibition, and been a reality to he state. They regret that a matter so important ideation. Such cows must of necessity be the ground work of money and the third of the area of the mit ravenment in eathle. If a farmer has a cow mossessing some excellent quantities, he is prepared to instruce in any destrable point. The general dissemination of with blood animals renders such crassings easy and cheap; all it is a matter yet at issue whether such crosses will not lake the most destrable the sixty of the such crosses will not have the destrable of the common farmer. We vant the best in dive cows for such crosses, and the com-nitice are of opinion, that the Executive committee of the tate Society are holding out liberal encouragement for acsales somety and mong out of any averagement for ac-tion conclusion, we would not be in the control of a e. In conclusion, we would not be the long that no fa-ure committee will be under the necessity of reporting no ompetition, but let the farmer, the lawyer, the merchant, and mechanic, bring forward their best cows, and render it a latter of nece distribution to decide between them."—Reort of Committee.

Class X .-- Working Oxen.

'o Galeb Gasper, Marcellus, 1st prize. 'o Samuel Alten, jr., New Haven, 214 rize.

FAT CATTLE.

o P. N. Rust, Syracuse, for the best yoke of fat oven, one of which was bred by G.V. Sacket, let prize.

BULL CALVES.

'o Ezra P. Prentice, Albany, for his thorough brel improved Darham bull calf 'Homer,' '6 months oil, I red by him-

self, 1st prize. o Samuel Phelps, Ira, for his grade Devonshire, 24 prize.

To BREEDERS. to Francis Rotch, Butternuts, as the breeder of the best bull.

irize.
o the same, as the breeder of the best cow, prize.

the same, as the breeder of the lest 2 years old heifer, prize. to breeders having been offered by Mr. (The premiums

outh, he destine I receiving more than a certificate of the ward, leaving the money (\$30) with the society, to be ofted in premiums for the same purpose next year }

Horses.-Stallions.

athan A. Cooper, New York city, for his bay horse 'Messenger,' got by Membrino, dam by imported Messenger, 1st nrize

prize.

R. Thompson, Fayetteville, for his bay horse 'Voung Membrino,' got by Mr. Thorn's Echpse, dam by Membrino,

2d prize.

A G. warren, Manlius, for their grey horse 'Messenger,' got by Ehle Messenger, dam Queen Ann, 3d prize, saleb Gasper, Marcellus, for his bay horse 'Gasper,'—pe figree not known—the prize.

MARES.

amuel Townsend, Canterbury, for his bay more 'Lady Syracusa,' by 'Onondaga,' out of the 'Lady of the Lake,' 1st

Colton, Lenox, for his grey mare, 2d prize.

Vin. Cook, Lysander, for his bay mare, 3.1 prize.

SHEEP.

Class 1 .- Long Wooled.

orning & Sotham, Alliany, for their imported Cotswold

oraing & Sothana, Albany, for their imported Cotswool linek, No. 4, Fat prize. training & Sothana, Albany, for their imported Cotswool bunk, No. 2, 2d prize. bunk, No. 3, 14 prize. ober 8, Misson, Gibertsville, for his pen of 3 Leicester green, being the only ones in this class, presented for ex-

bildring, 2d prize.

"The con mit ce would make honor the mention of three wespersented by Mr. Henry CRG of Jondbega, which were cross between the long wooled and the short wooled varieties, but it is sumed as they did not come exactly under least shey were exquested to examine, they could not would premium to Mr. Chft, which, under other circumstances bey would have been very happy to have done,"—Fepont of form. "The con mit ce would make honor thle mention of three

Class H .- MIDDLE WOOLED.

rane's Rotch, Butternuts, for his South Bown Buck, 1st prize ri Jackson, Jr. Butternuts, for his South Down Buck, 21

* This east was sold by Mr. Prentice, at the Fair, to Mr. tunn, of I your, for \$259 cash.

John Snook, Skancateles, for his South Lown Back, 33

ze. icis Rotch, Butternuss, for his pen of three South Down

There being no others presented, the other premiums were not awarded.

Class III .- FIST WOOLED.

Daniel Marsh, Pompey, for his back, 24 prize. Chester Moses, Marcellus, for his pen of ewes, 24 prize.

The committee have first to express their great disap-pointment, on account of the very few sheep exhibited for premiums on this highly important occasion. And second, the indifferent character of those which came under their

examination.
In reference to the first remark, it is unnecessary in reterence to means, remain, it is unincessary to say, that the disappointment, and we may justly add, chaprin, new no less enterfained by the immense body of spectators than by the commutice—and it is confidently know and expected that on no firms occasion of this kind will like appointment again occur. The state of New York has withappointment again occur. The state of New York has with-in its horders no less than five mittions of sleep; and how astomoling will it appear abroad, when the tast is anade known, that hut barely seeed, sheep were exhibated of the classe coming under the engineering of the committee! When it is not rule, and well known, that as state in the I mism can produce so great a proportion of the opportunity of compact of the more display, however, are seened, and Tens of this meagre display, however, are several and very obvious; and first, the expense of transportation, but more particularly timidity, grounded on the expectation of great competition and consequently an apprehension of failure to obtain an award.

tain an awara. This should not be so, for if many are disappointed, let it be noted and remembered, hat on all future occasions of this kind, animals characterized by general excellence will meet with realy sale, and at process much exceeding those in the immediate neight orthood where they belong. This remails as confirmed by the large number of wood growers who have come here at this time—and many from a distance—to make purchases of the class of sheep under consideration.—Report

SWINE.

C. N. Gement, Albany, for his Berkshire boar, Rip Van Win-

kle, 18t prize.
Jesse Camplell, Sullivan, for h's Berkshire boar, 241 rize.
P. N. Rust, Syracuse, for his Leicester boar, 3d prize.
Samuel Hecos, Lyons, do do do dish do
C. N. Bement, Albany, for his Berkshire sow, 1st prize,
Authony Can Bergen, Coxoschie, for his Betkshire sow 2d.

William McKnight, Syracuse, for his Berkshire sow, 3d

L. G. Collins, Butternuts, for his Berkshire sow, 4.h prize.

On Provens.

Howard Delano, Mottsville, 1st prize. E. G. Holladay, Dansville, for the Locklin Plough, 2d prize. Elijah Wilson, Veraon, for the Livingston coun y P.ough,

High Wison, Verson, for the Intergenor county range, No. 4, 31 prize. Chester Deuter, Dita, for the Wisconsin Plough, 4th prize. Moores & Sister, fibrea, for their double moll-loard side-hill plaugh, an extra prize, equal to the 1st premium 8 evens Cook, for an improvement in the Onordaga Plough

an extra prize of \$3.

"The committee appointed by the executive bound to evamine and test the valuable properties and improvements in
the plough, beg leave to report, that they have had a mosarihous duty to perform. Near 20 of them were presented
for our inspection, and the conduitee are free to say that
they never have seen so great a number of remarkably excellent ploughs together before, and have to regret that they
are confident so many are entitled to the favor of the society. an extra prize of \$5.

After as careful an examination of the subject is we have After as careful an examination of the single? (3 We have been able to give, and a "r all of ploughs by the dj pannometer, we have awarded the first premium of \$30 to Howard Belanox, for a very beautiful and height faished plough, with a new form of a enter in place of the common couler, which we consider an improvement well worthy of a fair trial a-

mong the farmers of the country

The second premium of \$20, the committee have awarded to E. G. Holladay, for his plough, already favorably known as the Locklin Plough, and which the committee found to work by trial with the Dynamoneter with great case of draft and stendiness.

and steadness.
The titled premium of \$10, the committee award to Elijah
Wilson, for a very fine well made and well proportioned
plough, called the Livingston conney Plough, No. 4.
The fourth premium a diploma of the society, the committee award to Chesix Petter of Utea, for his Wisconsin

Plongh

The committee have also determined to awar I an honora-The committee have also determined to awar I an honorary The committee have also determined by ploudes (§20), to Moorat & Shater, for a newly invented double moda-based with the committee before will prove the moda-based application to the farmer for mensy other parameter becomes stocked by alonghing, at having performed admittable handsone work upon a level surface. The committee also award a premium of §5 to Stephens Conk for an improvement made by him in the mode of factoring the tund side of the Onondaga Plough, including a very good model.

very good model.
The committee cannot close without snying that owing to the unpleasantness of the day, and the want of time, they were unable to devote that attention to this important subwere utagine to get the first and are all agricultural implements feet, that this most important of all agricultural implements require, and we most carnestly recommend to the society to levo e more attention to this matter another year, rul we hope that the competiors who have been unsuccessful this year, will not be discouraged, but will continue to press for ward in this grand work, recollecting that the committee the state of the state of

C. N. Bemen', Albaoy, for the lest Cultivator, 1st prize. Anthony Van Bergen, Covsackie, 24 prize. Cafs in Olds, of Vermont, for a Brill Barrow, 24 prize.

THRASHING MACHINES,

A. Douglass, Skineateles, for Thrashing Machine, 1st prize. Henry Olds, Syrnense, 24 prize. D. G. Stafford, " 3d prize.

D. G. Stafford, Horse Powers.

Norman Ackley, Rochester, Dritte's Horse power, 1st prize. David G. Svelfaid, syriense, 24 prize. Archibald Douglass, Skancateles, 34 prize.

STRAW CLITERS.

Jonathan S. Wilcox, Auburn, for 'Gilson's Machine,' 1st

prize,
J. S. Wright, Jordan, 2d prize,
W. B. Abbott, Syracuse, 3d prize,

HORSE RAKES.

But one was exhibited, and as there was no competition, the 2d prize only was awarded to A. Holbrock, Whiteshore'.

Sowing Machine,

Julius Hatelt, Rechester, for a machine for sowing seeds and plaster, a prize of \$10,

PITCHFORKS.

Lewis Sandford, East Solon, a premium of \$5, for half a dozen, of superior manufacture for strength and finish. FANNING MILLS,

Orrin Heffron, Dryden, 1st prize.

James Beete, Sullivan, 2d prize. John Gilbert, Lyons, 3d prize.

AGRICULTURIST'S FURNACE.

Jordan L. Mott, New York, for his Agriculturist's Furnae. and Cauldron, a silver cup.

SMUT MACHINE.

Jirch Durkee, Utica, for 'Grimes' Patent Smut Machine,' a premium of \$20. ROUT CUTTER.

Wm. Thorburn, Albany, for Fowk's Machine, a prize of #2 SAMPLES OF GRAIN.

Rawson Harmon, Jr. Wheatland, for samples of 21 different varieties or wheat, examined in the berry, and in the head on the stalk, a premium of \$10. . B. Batcham, of Rockester, for 12 varieties of imported

wheat, a premum of \$5.
Se.h Starr, of Sulhvan, for the Lest specimen of Spring Wheat, \$5.

Whent, \$5.
John Townsend, of Albany, and to Wm. Ingell, of Volney,
for two best specimens of Indian corn, \$5 each.

Roors.

The committee on Roots notice with commendation, samples of Putatues from J. F. Osborn, Port Byron; Wm P. Eucl, Albany, and Wm. Ingells, Velucy, Samples of white cerrors, from C. N. Bement, Th. ec. Hills Farm, and Wm. P. Buch, Alkany—Vellow do, from John

Bajabridge. Samples of Mangel Wurtzel, from J. P. Osbern, and Red

Beets from Rufus Cosset. Iso a very fine sample of Onions, owner's name unknown. Also a very fine s

FRUITS AND FLOWERS.

Premiums of Books on Horticulture were awarded to Premiums of Looks on trottenance were associated to bavid Thomas, Autora, for a lot of about forty varie ies of apples, pears, peaches, plums, and gropes, some of them of new and valuable varieties, presented by J. J. Thomas,

new and valuance varience, presence by o. o. 1 monar, nurserymat, of Macchain. Dr. Reamont, Lyons, for several baske's of very fine and excellent gauges, including the Grey Tokay, Golden Chas-seles, Sempermong, Purple Hoyal Chasselas, Isatella, and Sweet Water the quanty of which the Society had an opportunity of testing at the dinner table, "in committee of the whole." Samuel Heeux, Lyons, for a lot of sixteen varieties of for-

eign and domestic grapes, very line and well repend,—of which Mr. Heeox raised above fifty bushels the present

season.

James Wilson, nurseryman, Albany, for a beautiful boquet.

James Welson, mirreryman, Albany, for a leantiful boquet, and a large lot of Dahms of splendid varieties.

Wm. P. Buell, Albany, for a miniature parterie of Pahliss of very perfect and well chosen varieties of great benauty, and twenty-one kinds of well selected varieties of apples of fine growth.

Ezra Cornell, Blaca, for a baske of fine Red Clueck Malacram Pendies, some of them measuring more than 7 instances.

ton Peaches, some of them measuring more than 7 inches in circumference.

in direntification.

James Cockrane, Oswego, for a basket of foreign varieties of grapes, among which were the Chasselas, Sweet Water, Frontigne and Pinon Noire, a hardy variety with a vincus and pleasant fruit—also a basket of Silver Chingstone and change of the contraction. Mr Wiltse, of Oswego county, for a basket of fine apples of

known variedes.
J. F. Oshorn, Port C. ron, for 29 varieties of cultivated apples, of well selected sorts, together with three varieties of

pies, of well selected soits, together with three varieties of ears.

Mr. Cossett, Ononlaga, for a Lasket of fine grapes including the Isabelia, Alexander, Minner, and Sweet Water, well ripened and large growth.

Mr. Huntington of Ononlage, presented a large basket of apples, of heautiful form and fine flavor.

M. B. Batcham, proprietor of the Kockester Seet Score, presented two seven year pumpkins, raise I by H. N. Langworthy, of Francisquoit, in 1857 and 1840.

wormy, or tromarquote in 1850 and 1840.

John Richards prescored the vine and products of one seed of the Citron Watermelon, a mounting to 18 in number, and weighing over 300 fts.

IF Those to whom Prizes were awarded, and who not received them, can obtain them by application to E. P. Prentice, Esq., Treasurer, or to L. Tucker, Secretary, Alny.

The Report on S.lk and the remarks of the committee on Herses, together with some other mattors, are enavoidably deferred till next month.

Free Trade--British Coin Laws at the Lowest Scale of Duty.

| case did their very best, at the late State Fair, none, | 1 presume will question. But the extravagant char-

A writer in the October number of the Democratic Review, produces a long elaborate, but rather elashing article under the above head, in which he says that the effects of restriction on trade in the shape of a national tariff is to " produce a mere transfer of labor "and capital, to take money from the pockets of one " class of men to put it in those of snother; what one 44 class has gained another has lost. One method of " industry has been encouraged while all others have "been depressed. Labor and capital in a particular 4. department have been rendered more productive by "diminishing and exhausting their energies in other " departments. In what way has industry been "stimulated? What general advantage has there 41 been in this? By daminishing its productiveness " in ninety-nine branches, in order that the bundredth " may be raised to the average productiveness of what "the others were before !" &c. &c.

Well may the writer of the above article call to his sid the far fetched and one sided evidence given in before the British House of Commons, to support his doctrine; since all the results of practical experience on the subject in our own country strike at the very root of his theory. We will not go beyond our own manufacturing town to prove, that since the manufacture commenced, of those articles which are proteeted by the compromise tar.ff, real estate has risen 50 per cent -both the consumption and the price of all agricultural production in the vicinity have inerensed in still greater ratio, giving a correspondent increase to the wages of the mechanic and the laborer, and multiplying the number to a ten fold extent So far from those manufacturing establishments which are favored by a tariff, being prejudicial to the gener al tra-le, they give it its greatest stimulous, by the nid they give to the farmer in the purchase of lus staules. and to the laborer and mechanic in the employment

We have one extensive woodlen company here, which could not have had an existence, but for the protection given by the compron is chill—at this time their cloths are selling in N. Y. at remunerating prices, to an extent which alone does more towards equalizing the exchanging of this county, than all the other stoples sent to the same market, if we except flour, and yet the amount thus disposed of is not a tythe of the home trade. And what has produced all this—we answer manufacturing industry judiciously stimulated by moderate protection, in the shape of a national tax on the correspondent imported article, from the over populated old world.

The advocates of free trade have supposed that the repeal of the British Corn Laws would be a great boon to the United States, what is the result now when the duty on wheat in England is reduced to three halfpense a bushel. The continent of Europe supplies her cheaper than we can. Such is the price of labor in the United States, such the demand for the home consumption, -- for manufacturing New-England :that should England want two or three days rations of brend from us--the price in New York would rise n dollar or two on the barrel of flow. When flour in New York is above \$6, Europe can successfully comnete with us in the sale of bread stuffs in most of the foreign markets--let us then look to a home trade rather than a free trade for our sure and stedfast hold of hone. S. W.

Waterlag, October 8, 1841.

For the Genesee Farmer.

Accommodations at Syracuse.

A MAN CHARGED A DOLLAR A MEAL.

It must be confessed, that it is no very easy task for the public houses of one village, to accommodate several thousand persons. That the people of Syra

I presume will question. But the extravegant charges made by the principal tavern, should not be passed in silence. If any thing will deter our farming entizens from attending such fairs, it is this genteel and honorable way of emptying their pockets. Indeed, we are rendering ourselves altogether ridiculous, by preaching economy and moderation at all other times, and then recommending that, which is accompanied with profuse waste of money. Some of us well remember, of other similar societies broken down, and by costly dinners, merely; how much more so then, will it be in the present case, where after spending two or three days, and partaking of no better fare, certainly, than at our own ordinary farmhouse dinners, (g and enough to be sure,) we found ourselves very a odestly charged at the rate of about a dollar a meal, including breakfast and supper, throughout. I am told that other houses were very reasonable.

But it is said that this high charge scenred select company at the house in question. Not at all? The majority, I doubt not, neither knew nor suspected any thing till they paid their bills. But had they all known previously,—why then—save me from such company! A company, not of the sens ble, the intelligent, the wise. But rather of spendthrifts, and purse-proud, and needlessly wasteful, and would be thought rich. No wise man, no business man, will throw away money. There are calls enough for it elsewhere. An extravagant man is one generally who neglects to pay his honest debts, so far as my observation extends.

I would respectfully suggest, that the Executive Committee of the New York State Agricultural Society endeavor to remedy this evid in future, as they desire the prosperity and good of the Society, and to extend the benefit of its fairs to the f range community at large. And I would propose that an arrangement be made with public houses to give the preference of admission to members; this would induce many tojoin, for the sake of entrance, and be the means perhaps of putting hundreds of dollars into the treasury.

Having now done with the crost time side of the question, primit me to notice one usince of paise, wortly liberality, in the case of the Adburn and Syracuse indirend officer, who ran an extra train of case sead day, charging only a dollar for each passenger to Syracuse and back. And a lowne to say also, while on the subject of rail-tonds, that I was very sorry to see some time ago in the New Genesee Famer, a recommendation of this and packet boat travelling a cheap modes for fariners. Old Ben Franklin procedied from a different text, touching common ;—read Poor Richard.

From the Albany Cultivator.

Milking Properties of the Improved D. Cows.

Messes. Gaylond and Tucker—An esteemed from Messes. Gaylond and Tucker—An esteemed from my brother and myself, through the July number of your vehible periodical, to give some account of our berd of Short Horned eattle, and I must plead other and more pressing avocations as she only reason why he has not met with an eather response. The object of Mr. Butlett appears to be, to show that so fir a so un animals are concerned, they do not surface. The object of mr. Butlett appears to be, to show that so fir as our animals are concerned, they do not surface. The object of mr. Butlett appears to be, to show that so fir as our animals are concerned, they do not surface. The manuface of the mr. Butlett and the position taken by Mr. Column with great ability and success.

Besides high grade, and some naive, we have twenty-five thorough bred minmals. By the term thorough brod, I mean animals which are themselves, or whose dams and sires are recorded in Coate's Herd Book, which furnishes for them full and undoubted pedigrees. Among these minmals, we have one cow and three female descendants, the produce of two animals which were imported by Enoch Sighty, Esq. of this state, under the name of "Boston," and were bred by Robert Curry; one cow with two female descendants, the produce of Washington and Panzy, imported by the late Patroon, and bred by Mr. Champion: two females, the produce of Harriet, imported

by Joseph Lee; and one cow, the produce of Ambella, imported by the late Stephen Williams, and seven other female descendants of the last named animal

One of these cows is sixteen, and two others fourteen years old. All of them are in good heelth and exhibit the appearance, so far as condition is concerned, of being young animals, and two of them have regularly bird up to this time. These facts do not contribute to prove that diss breed of animals are too tender and delicate to endure our cold climate, as i have occasionally seen and heard it alleged

The risk from nearly all of our cows is unusually rich, and the quantity mile greater than we have been able to obtain from superor miles cows with the same keep. My brother has regularly had good common cows on his farm for about twenty years, and he affirms without qualification the fact.

he aftirms without qualification this fact.
Our cowe have not given as much milk, nor made as great a quantity of butter, so have some other Short. Horns, yet one of them, in Aguil last, on lay, made more than twelve pounds of butter in a week, and we have repeatedly converted the e-am in small quanties from this cow, into butter in fifteen seconds. In June, upon grass alone, it is cow gave 360 lbs. of milk in a week, being milked but twice a day; the milk in the time was converted into chrese, and consequently no butter made from her. Had she been milked three times a day at this period, I am quite crafident that her producted milk would have reached 400 lbs. and of butter not less than 14 lbs. per week. We have another ow which svenaged 48 lbs. of milk her day is June, and still another, (now quite old.) which a former owner assures me has yielded 28 quants of milk per day;

We have also two heifers with their first calves, which averaged 37 and 35 lbs. milk per day throughout the month of June last

I will readily adout that among the great mass of the common cows of the country, we eccasionally find those which me very deep and rith milkers. But little reliance, however, can be placed on their progeny for the same properties, whilst with thorough bred animals, by using bulls from deep milking families, the produce is quite certain to partake largely of the sares and dams.

It would indeed be remarkable, as Mr. Allen well observes, if, in traversing the whole of the State, in the declarage of he solicial duties, Mr. Colama, our late highly respectible Agricultural Commissioner, do not have been supported by the control of the solicity of t

In the 4th vol. New-England Farmer, I find the following opinion given of the Short Horns, by Governor Lincoln, in a letter to Mr. Powell:

ernor Lincoln, in a letter to Mr. Fowell:

"I have now (of Dentoo's progeny) even beifers
in milk, four of them three years eld, and three two
years eld; and for richness in quality and abundance
in quantity, they are not excelled by the best cows of
any age of the native stack. A beifer thiere year eld,
with her second enif, has not been dry since she dropt
her first eaif, having given 4 quarts on the morning of
her second enlying. For the dairy and the stall, I
speak with the utmost confidence of their pre-eminerce."

cent and persevering owner of the "Cream Pet" breed of cattle, and Col. Jacques assured me that he attributed the rich darry properties of he herd more decisively to the Short Horned bull Casleta, than to the native Haskins cow, from which his whole herd as I understand, descended; and it would seem from Mr. Haskin's own account of the produce of this cow as published in the 5th vol. New England Farmer that he must be correct in this opinion; she is there represented as having made in two days 2% Its. but ter, which is 9 lbs. 19 ounces per week, being by means a remarkable product when compared with that of many of the Short Horns.

In Mr. Allen's valuable communication, he ta given the product of six short horn cows, viz., in hot milk and butter from three animals, in butter alonfrom one, and in milk alone from two animals.

The butter from the four animals varies from 11½ to 22 pounds per week, making the average of the for cows 15 lbs. 6 oz. per week.

The milk from the five cows is from 28 to 25 quart per day, averaging for each unimal more than 32 quast

Besides the product of these six cows, I find the produce of butter from six more Durham cows, a tollows, viz:

Mr. Hasket's cow, 19 lbs. butter in 1 week, Mr. Csivert's cow 373 do. do. in 32 weeks, Mr. Cnuhy's cow 533 do. do. in one year, 150.

homas Ash's cow, 544 lbs, do, in 35 days .- do, rol.

Darham cow, 143 lbs. do. in one week .- Vol. 17. p, 403, Ir. Woolwich's cow, 143 lbs. do. in I week.—Cul-

tivator, rol. 6, p. 102.

My belief is that the pure Short Horns, with good eep, (and no animal will tarire when starved) is meh more valuable than any other race, for the shamles, for the pail, and for the dairy; yet if our fathers ave reared a better race, without system and without be least care in breeding, I shall how with submision, regret the cost of my error, and hereafter "trend in their rootsteps," WELLS LATHROP. South Hadley Fal's, Mass., Ang. 19, 1841,

Salt in Michigan.

The following ntucle from the Grand Rapids Inniver, contains interesting and important facts for our Vestern Randers :

"SALT .- We congratulate our fellow-citizens of Franci River Valley, and of Western Michigan, up-a the following result of the undertaking of Mr. Lyx to obtain salt water at this place. His efforts are rowned with success evequal with his wishes, and in ne particular far exceeding his imaginations. bout eighteen months the work bas been progressing, shile many doubted, and all hoped, but few were unguine of success, Ata depth of about 300 feet, idications of salt first became apparent, but for a long smace ther nathing further seemed to be gained. nd many began to think they had been cheered for ought. The works were continued until the shaft al been sank 661 feet, when the evidences were ach that the operation of boring was suspeneded, and thes san't to ascertain the quantity and quadity of the rine. -On Saturday last (the 28th) the tubes were at down to the depth of 360 feet but little over half ac depth of the well, when to the joyful surprise of all, ure bring, of the quality of one bushel of salt to from I to 55 g illous, ascended and poured out of the tube with tramense force. It is estimated that the tub saight be corried fifty feet higher, and the brine yet What is the quantity of the brine which will Sec. 10 Dinenturily discharge, it is difficult to ascertain, but is estimated from 6 to 8 gullons. This, without ie use of a pump, or any means of elevation, we eem unparalleled in the lustory of silines.

It is intended to sink the tubes still lower into the alt well, under the anticipation that the brine obtaind will be untch stronger, as it is further disconnected om the fresh fountains above. Mr. Lyon, us we earn, will commence bailing immediately, as soon as

e can obtain kettles and place them.

Again we congratulate our readers and this valleyre bave a formula of wealth in our midst, which will nuble us to lorget the cets, and snap our tingers at the lankeum and Distribution Bills. What may we not on anticionte from our salt, ur plaster, our pine, the ertibity of our soil, our immease water power, our tout, and our navigable river. Where can we find uch a combination of sources of wealth in Michigan r the west?"

'cam the Western Farmer's and Gardener's Almanac for 1912 lauses of Decay in Peach Trees, and its Prevention.

To the early settlers of the West, il e peach was a eap and easily procured luxury. The kernel was lanted in the fence-corner, and grew and produc d a thrifty and healthy tree, with but hade eare of ulture, bearing large and regular crops of line fruit. or a number of years.

This being the case, why do we find so much diffi How do we account for ulty at the present day ? heir success then, and for our frequent fadures now ? In early times, when the whole face of the country vas heavily timbered, our winters were less severe han they are now. Our climate, unlike that of Great Britain, seems to increase in rigor as the country is improved, until, at this time, the peach trees are not

infrequently winter-killed.

In addition to this, the following causes had their nfluence : The keinel was taken from the fruit of an inbudded tree; those being of course selected which produced good fruit-thus the influence, exerted by he stock if evil, was avoided. The kernel was plant-where it was meant to stand—the young tree escaping the mutilation and checks too often received in trans planting. It was left to grow pretty much in a state of nature, by which the stem was shaded from the in urious effects of the full blaze of a summer's sua; for his tree, like the beech, will not do well if so exposed. The soil was fresh and good, and kept the tree in a

vigorous and growing state. The clearing being generally small, was in a great measure protected from late spring Iroses. The disease called "yellows" had not s town uself, nor had the peach insect, the " Egeria exitiosa" of naturalists.

Now, trees are bought from the nursery men, the older and the larger the better ! The stocks too often produced from the keinels of indifferent or even unhealthy peaches; allowed to grow two or three years before they are budded; dug up without care, and scarce a root, and certainly not a fibre, left for their support; the stems bruised and chafed, and closely pruced to proportion them to the mutilated roots. They are kept out of the ground for a length of time : conveyed to the planting ground unprotected; and there set out, in little holes, dag out of the and, in thin, poor soil, where they are left to struggle through a year or two of a mascrable, sickly existence. In the nursery-row, the top of the one protected the stem of the other; but now there is no such defence. The peach-fly deposits its eggs, which are left to hatch, and the worms to commit their ravages undisturbed. And being generally planted in an open, southern exposure, the bloss me-bads swell too econ, and are destroyed by the first severe frost. Let us now state what we consider to be the proper

Select a piece of rich, new land; if a tolerably stiff loam, with a surface coating of leaf mould, on the north or north-east side of a hill, near a large water course, the crops will be more abundant and sure, the not so highly flavored as if grown in a sandy soil .-Plough it deeply and carefully in the tall; and in addition, mark off the boles, and have them dug down to the sub-soil, or at least two spaces deep, and six feet in diameter. If you intend purchasing trees of a nur-sery-man, which is the cheaper course, it you have one within reach, in whom you can depend, go as early as possible in the spring, and select young, thrifty trees, not more than one year from the bud, and two from the kernel. Have them taken up very carefully, so as not to destroy even a rootlet that can be avoided; dip the roots in sludge, if you have to carry them more than a mile, and plant them without de. after loosening the bottom with the spade; drive a stout stake into the centre, to which to insten the tree; then place the tree close up alongside of the stake, and while an assistant throws in the aurtace soil round the roots, shake the tree gently, so as to allow the tarth to tun in and fill up every vacant space; taking care to spread the roots out regularly, and to plant it but very little, if any, deeper than it stoo before. Trend the ground light.; and after pouring a couple of bucketsfull of water round the tree, and fastening it firmly to the stake with a soft band, you may c usider the operation of planting completed as it ought to be. It is perfect folly to purchase trees and plant them, as they are usually planted. If the soil is not naturally rich, manure it all over, but do not put any round the roots of the trees-rich compost or mould from the woods or stable yard, may be placed immediately round the roots.

It it is intended to grow the trees from the kernel, select good ones, the produce of healthy trees. Bury them in about two or three inches of soil, as soon as practicable after they are taken from the peach. they are in quantity, mix them with double their bulk of carth, and ridge them up in a safe part of the garden, covering the whole with an inch or two of soil, and leave them over winter. Towards the end of February, or first of March, examine them, and plant out such as have opened but without removing the shells. Put three or four where they are intended to stand ; and in July or August, inoculate them with the kind of fruit you wish. In the fall or spring, all can be removed but one. Never put off inoculating till the removed but one. second year. For their after treatment, see the article on budding. A peach orchard should be tended in some such crop ce potatoce, beets, melone, sweet potatoes, etc., and if necessary to sow it down, let it be like clover; taking care to keep a space round the tree, of six or eight feet in diameter, free from grass Trees never do well, bear or thrive, in a and weeds. meadow, or blue-grass sod.

F r some years past, the insect called the " Peach or "Peach-tree worm," has occasioned the ruin of thousands of trees in the west. See article on their history, and the preventives to be used.

New Boots.

A pint of linseed oil, two ounces of beeswax, two ounces spirits of turpentine, and half an ounce of Burgundy pitch,-slowly melted together, and then applied to new boots, will render them water tight with-

out becoming stiff. The Correspondent of an exchange paper, says he has used this composition many years; and believes that his shoemaker's bill has been reduced built one half, so conservative are its effects on the leather.

Botanical Etymology.

When Dean Swift suggested that the name of Andromache (in Homer) was derived from Andrew Machie a Scotchman, he was in FIN; but when Professor Eaton attempted to make out Adlumia from the Greek, he was in PARNEST, -- though we consider it (if possible) the greater burlesque of the two.

A few words will explain our meaning. About twenty-five years ago (more or less) Professor Rafinesque changed the name of the plant Corydalis fungosa to that of Adlumia cirrhosa; and Dr. Darlington says" (what we had understood before) that the new genus was " dedicated to Major John Adlum, a distinguished cultivator of the vine," who resided some years before his death near the city of Washington, and whose name and character to us had long been familiar. With part of his father's family indeed, (mother, brother, and sisters,) we were personally acquainted, so that no shade of uncertainty or doubt can bong over the reality of that family name.

In the 8th edition of the " Manual," or " North American Botany," published last year, we find however, at page 211 that Adlumia comes from the Greek :-- ' a (without), lamen (dirt), a suprosed cleanser." Now will not the learned author of the "CURIOSITIES OF LITERATURE," give this cicumstance a fitting place in his next edition?

Sugar from Corn Stalks.

William Webb has addressed a letter to the President of the New Castle county Agricultural Society, in the State of Delaware, dated Wilmington, 9th me. 25, 1811, recommending the manufacture of sugar from corn stalks; and we learn from the Pennsylvania Freeman, that the specimens exhibited (including molasses) were much admired for their flavor and ap-

During the Revolutionary war, when our commerce with the West Indies was nearly annihilated, we can remember that molasses was prepared from this materral, by pressing out the junce in a cider mill, and boiling it down; but though sweet, it was rether uapalatable, not having been properly purified. No doubt can exist however, of well repend corn stalks abounding in succharine matter; and boys in the

but of chewing them, soon discover that the smalles and reddest are always the excetest.

In accordance with this fact, W. Webb recommends planting the corn in rows two and a half feet upart, leaving the stalks to stand in the rows only three inches from each other. No ears are allowed to grow or ripen; and on this precaution be considers the success entirely to depend. In reference to this improved method, he says, "In one case I obtained from a small piece of ground, at the rate of 100 lbs. of sugar per acre; but other experiments made since, have conclusively shown that had a different mode of planting been adopted, the product would have been increased ten fold."

The crop will generally be fit to take up "in September. The stalks are then cut up at the root, stripped of their leaves, and taken to the mid, where the juice is pressed out between iron rollers. Lime water about the consistency of cream, is then mixed with the juice, one spoonful to the gallon. It is left to settle one bour, and then poured off into boilers, which are covered until the liquid approaches nearly to the boiling point, when the scum must be taken off. It is

*Flora Cestrica, page 399

then boiled down as rapidly as possible, taking off the scum as it rises. As the juice approaches the state of syrup, it is necessary to slacken the fire to avoid burning. The boiling is generally completed when six quarts are reduced to one; it is then poured into coolers, or moulds, and set aside to crystalize."

He contrasts the manufacture of sugar from corn stalks and beet roots, as follows:

"Ist. The corn is clean and agreeable to work with, while the beet is not.

2d. The machinery for extracting the juice from beets is not only more costly, but is more liable to get out of renair.

3d. The beet injec contains a much greater proportion of foreign and injurious matter; decomposition commences almost immediately after it is pressed out; and if allowed to go on to any extent, will entirely defeat the making of sugar.

4th. The proportion of saceharine matter contained in equal quantities of corn and beet inice is as three to one in favor of the former; therefore the same difference will be found in the amount of fuel necessary in evaporation.

5th. Beet sugar when obtained is inferior in quality, and loses a larger per centage in refining."

Geology of North Sherbrooke, U. C.

We received, in August last, a communication of a very interesting character from E. Wilson of North Sherbrooke, U. C., on the Geology of the District, where he resides. We have only to regret that it is of a character more purely geological than comports with the object of our paper. We had designed to give some portion of it, but have thought it would prove more satisfactory to our friend, the author, to forward the whole article to Professor Silliman, for publication in his Journal. We quote, however, the following in relation to the effects of the violent earthquake, which, according to the words of the Jesnits, in Quebec, deranged a large trect of country, in U. C. Mr. W. sava, " With the exception of a few reterans I find no trees in my broken neighborhood older than about 21) years. I have enunted the annual circles of the White Pine, the stump of which was 6 feet 3 inches by 4 feet 9 inches across, and found it (about ten years ago) 221 years old, so that it began its career 231 years ago. Now, as it happens ever in tempests that sweep the forests, that only small trees are left strailing, a young tree struggling to get up in the forest is neither large nor easily thrown down at the age of 61; for such must have been the age of one now 24) years old, in the year 1665, that is 176 years ago. I counted the annual rings of a sugar maple less than six inches in diameter, and found it 80 years old." It seems very probable then that the earthquake of 1665 prostrated the older trees of the forest. The fact would account for the age of the trees now existing. It should however be enquired whether over this wide country the trees of the forest have a much greater age than those mentioned by Mr. W.

Seneca County Fair.

This Fair was held at Ovid, Oct. 21st and 22d. We have not yot seen the report, but the Ovid Bee says, "notwithstanding the unfavorable weather, the show of fine Cattle, Horses, &c. was such as to do credit to the county." We deeply regretted our inability to attend this Fair, especially after receiving the following polite invitation, which we take the liberty to publish on account of the just sentiments it con ta es.

WATERLOO, Oct 16, 1841.

M. B. Evernam, E.q. : Dear Sir-I am requested by the officers of the Seneer County Agricultural Society, to invite you to attend the Agricultural Pair to be beld at O. I, so the 21st and 22d rost, and also

that you invite such of your friends as would be likeiv to attend. Perhaps there never was a time like the present, when the efforts of all influential good men were so necessary to arrest that growing deterioration in the public morals, incidental to late speculation and extravagance, and the consequences they have entailed on community.

We feel that those efforts cannot be better directed than in encouraging a thorough system of Rural Economy, whereby man may be made honorably useful and intelligently happy, in the successful pursuit of this, almost the only calling, which has no temptation adrerse to the precepts of religion and morality.

Very Respectfully Yours, SAML: WILLIAMS, Cor. Secy.

Gen. Harmon, -- Wheat Culture.

Gen. R. Harn.on jr., of Wheatland, in this enunty, exhibited at the State Fair at Syracuse, 21 varieties of wheat, in samples both clean and in the straw. He exhibited the same at the late Fair in this city, but as it did not come under the particular inspection of either of the committees, no mention is made of it in the reports.

The Stump Pulling Machine .-- Colonel Drake of Owego informs us that the patent right for this machine, of which he was the proprietor, expired in August last; and any person who wishes to construct them is welcome to do so.

WESTERN Farmer's and Gardener's Al-manac, for 1842—By Thomas Affect, Cinca-nati.—Also "the breading in the West," by the same an-dior. Price 25 ets. cach—E2 per dozen, for sale at the Seel Store and Bookstore, in Boehster,—Nov. I.

Y OUNG'S Parmet's Almaniac for 1812.—We containing 36 pages, principle of the "Parmet's Almania for 1822, containing 36 pages, principle on the page, with appropriate cuts, Agricultural remarks, curel, valuable tables a mechalise, corpers and miserlanty, for sale at wholesale and retail priupon the most reasonable terms.
415 G. W. FISHER & CO., 6 Exchange st.



OTT'S PATENT AGRICULTURISTS IVI FURNACE.—Manufactured by M. C.Wedd, No. 53 main-st., Rochester, N. Y.—This article was constucted in consequence of a suggestion from the American Institute-that a simple portable and lowpriced For, nace was much wanted by farmers, for boiling or steaming food, preparing maple or beet-root sugar, and for mamechanical purposes.

It is so formed that a space from one to two inches is left between the hoiler and the casing that surrounds it, causing the heat in its passage to the pipe, to encir-cle all parts of the boiler even to its upper of

The American Institute awarded a silver medal at their late fair.

The following is an extract from the Cultivator extra r December: -" Agricul runism's Furnace, '[Figfor December: -" AGRICULTURIST'S FURNACE. [Fig. 96.] -"A good, cheap, and durable boiler has long been by the farmer. Potash kettles, cauldrons and buxes, with sheet-iron bottoms set in brick, have been used, as well as steam bullers of various descriptions; but they all take up considerable room, are clumsy and burdensome. For the last seven years, I have tried all the above-named articles, and have laid them by, and substituted one of "Mott's patent Agriculturist's Furnace

"It will be readily perceived that it has many advantages over those set in brick. It takes up but little room, is light, and may be placed on the floor, and requires no foundation to support it. Besides being portable, it may be removed from place to place, as occasion or conveni-ence require; two men are sufficient to remove it. It an be made to boil full of vegetables in 30 minutes, and the second filling in 20 minutes. In this I was happily disappointed, for I had always supposed that brick retainof the heat better than iron, and after Leing once heated, would respite less fuel to keep it beiling. Another very

important consideration, and will go far to recommend it that it requires much less wood than one of the same size and form set in brick, or even the box, with a sheet iron bottom, so highly recommended in some of the for-mer volumes of the Cultivator. Although wood may be

plenty, it takes time and labor to procure it.

"Steam boilers may answer in very large establishments, but I have found them very inconvenient, as every farmer is not engineer enough to manage it, and the consequence was an occasional explosion or collapse, and in either case an expense and considerable trouble was incurred.

Sume five or six years ago, I tried a copper boiler-a cylinder within a cylinder, the turnice in the centre, sur-rounded by water, very similar and on the same principle as the one figured in the 13th number of the current volume of the New England Farmer, as Doctor Warren's Patent Cylinder Vegetable Steamer, but i found it very expensive to keep it in order, and abandoned it.

C. N. BEMENT." Three Hills Farms.

LFThey will be sold at New York prices, adding transportation | barrel \$12; 1 barrel \$20; 2 barrel \$30; 3 barrel \$10; 4 barrel \$5. The Wechanies' Pair awarded a silver menal for this; and the Agricultural Society \$3.

Also, for sale at me same place Wedd's celebrated Hot Air Cooking stove, for which was awarded a silver medal for the best cooking stove, at the last fair in this The public are invited to call and see it.

DISSOLUTION .- The co-partnership heretofore ex-D isting between the subscribers was desolved by mutual consent on the 1st day of October All accounts and affairs relating to the Seed Store and Genesee Farmer, will be settled by and with M. B Bayenam, who will continue the business as heretofore. All matters relating to the Farm or Seed Garden, wall be seatled by C. F. Crosman, who will Seed Garden, will be seatled by C. 1, Consultance on those the business of growing seeds.

M. B. BATEHAM,
Poshos'er Oct. 29, 1641
C. F. CROSMAN.

CARDEN SEEDS in Boxes,—C. F. CROSMAN Or respectfully into me his country friends and customers, that he will at the usual time, be prepared to supply their with fresh associated to graden seeds, of his own reising, or selection, on he seeks we consider twill give satisfaction. Reduceter, Oct. 1, 1211

MILLET SEED, wanted at the Rochester See

A PPLE TRIEES POR SALE. The subscriber mile cast of the bridge Rochester, a choice assurement up added apple trees, of large size, warranted of the kinds eperated apple trees, of large size, warranted of the kinds represented, and embracing from 30 to 30 of the best varieties for summer, fall, and win er use. Price §25 per 100. Orders from a distance containing remittance or good city of creace, will receive prompt attention, and the trees will be shipped or delivered according to ins ructions.
Rochester, Oct. 4, 1541. ELECTUS BOARDMAN.

GIL*ON'S STRAW CUTTER!
DECIDEDLY the best Machine known in these parts, for cutting folder, for sale at the Sect store \$10.

RATES OF UNCURRENT MONEY. Specie, par. N. England Bank Notes, Eastern Draf's, I pret prem Indiana, 12 a Permeylywalia, 6 a 10 dis. | Illinois, 12 a Olitin, 9 a 10 do. | Routin ky, 10 a Maryland, 6 a 7 do. | Canada, 7 a Susp's'n Bridge's a 7 do. | Canada, 7 a do di 3 a 5

ROCHESTER PRICES CURRENT. CORRECTED FOR THE NEW GENESEE FARMER, NOVEMBER 1, 1841

WHEAT, ... per bushel, ... \$ 1,00 a \$ 1,06 CORN, 50... ... 50... 31... BARLEY,..... " 44..... 56..... 62 624 POTATOES,.... " 22..... 25 APPLES, Desert, " 25..... 38 FLOUR, Superfine, per bbl.... 5.50...... 5,00..... SALT,.. per 160 lbs..... 3,00..... BEEF,per 100 (b3..... 3,00..... 3,50 per dozen, 123..... 15 EGGS. BUTTER. Fresh. per pound Firkin, 13..... 10. 121 ... CHEESE,..... " ... 5..... 6 LARD, " ... 6..... 9 TALLOW, Clear, " ... 8..... HIDES, Green " ...
SHEEP SKINS..... 5..... 50..... 621 PEARL ASHES, ... 100 lbs., 5,25..... POT. " .. 5,50..... 30..... WOOL,pound,... HAY,13,00.....14,00 GRASS SEED, ... bushel, ... 1,50 1.75

FLAX.... " ... " ... *7½..... PLASTER, (in bbls) per ton. . 6,00.....

bulk (at Wheatland), 3,50

B. BATEHAM, Proprietor. VOL. 2. ROCHESTER, DECEMBER, 1811. NO. 12. JOHN J. THOMAS, M. B. BATEHAM, Editors.

PUBLISHED MONTHLY. TERMS,

IFTY CENTS, per year, payable always in advance.

CONTENTS OF THIS NUMBER.

THE CASH SYSTEM.

'ubscribers are reminded that this paper is published the CASH SYSTEM, and this number completes volume. Those who have not paid for the next ame, are required to remit payment before any more ers will be sent them, (Correspondents excepted.) Hand the half-dollar to your Post Master when get this No. from the office. See terms, &c., on page.

New Arrangement -- New Editor.

t is with feelings of no ordinary degree of satisfacthat I announce to the public, that HENRY LMAN, of Massachusetts, has consented to reve to Rochester, and take the editorial charge of this er. As an agricultural writer and orator, Mr. Cols is so well known to the public, that nothing more d be said at this time on that subject. The readers his paper, and the friends of agriculture in this State ecially, have reason to congratulate themselves on arrangement; and Western New York may well proud of the honor conferred upon her. Mr. Colwill advocate the interests of the whole country. hout sectional prejudice or partiality; but at the to time, the district in which he resides will of course ive the greatest benefit from his influence, and ould make the most exertion to

Give Him a Hearty Welcome!

Mr. COLMAN has been assured that the friends of iculture in Western New York and the Great ser would lend him their co-operation and support; I through the medium of the Genesee Farmer, he ald hold monthly converse with a Vast Host of the res of the soil, and that the profits of the publication add afford him a liberal compensation. The Internation of t

The officers and friends of the numerous

Agricultural Societies

Should make especial efforts to circulate the paper in their districts or counties. Experience proves that THIS IS THE ONLY WAY to have useful and spirited associations. Farmers who do not read such papers never make good members of agricultural societies.—Their MINDS are not interested in the subject, and they do not rightly appreciate their profession. Let the friends of the cause in the Empire State remember this, and act accordingly; and the spirit of improvement which began to manifest itself so generally the past season, will soon produce most glorious results.

M. B. BATEHAM.

To Correspondents.

Several communications were received too late for insertion in this number, and various matters requiring editorial attention are unavoidably deferred.

By We hope our friends will improve those long evenings and stormy days, so as to send us accounts of their past season's opperations.

The Syracuse Hotel.—We have received a letter from Mr. Rust, proprietor of the principal Hotel at Syracuse, complaining of a communication in our last. It shall have a place next month, with explanations.

The Index and Title Page for Vol. 2, will be found in the middle of this number. Those two leaves should be taken out, and placed in front of the first number, then the whole volume stitched together. Those who have the 1st and 2d vols. should get both bound in one. The first volume can still be furnished if desired.

Post Masters

In this and the Western States, will receive prospectus' and a specimen No. of the Farmer; they are respectfully solicited to remit names and payments to us, (as allowed by law.) Our most sincere acknowledgements are due for past favors of this kind.

Papers to Europe.

Subscribers who wish to send the Farmer as a present to their friends in Europe, are informed that we send quite a number of copies every month. The price is 75 cents per year. (This pays the American postage.)

A Card.

At the desire of Mr. BATERAM, the subscriber announces to the friends of the New Genesec Farmer his engagement to remove to Rochester, and take, on the first of January ensuing, the exclusive editorship of this work. It is not without a just diffidence that he undertakes this enterprise; but, with honorable intentions, he is persuaded that in the generosity and public spirit of the New York agricultural community, he shall find a welcome. He leaves the good old Bay State, the land of his nativity and the sepulchre of his fathers. not without many strong emotions; but he does not feel that in going to New York he is going from home. He has been long acquainted with New York and her citizens; and has taken always the deepest interest in her enterprizes and improvements. He has always regarded her agricultural progress and success with

admiration; and now that in addition to the common ties of friendship and political fraternity the two States are to be linked together by iron bonds in the great interests of internal trade and commerce, he deems his removal much less a separation from home and the friends of his youth.

In going into New York, he feels that he is going among old acquaintances. He had many years the pleasure of an intimate friendship with the late lamented Buel; and he is happy in standing in the same relation of mutual respect and esteem with the present enlightened and indefatigable editor of the Cultivator. Her Allens and Thomases, and Wadsworth and Gaylord, and Rotch and Viele and Ball and Blydenburgh, and Beckman and Grove, and Bement and Hall, and Walsh and Van Rensselaer, and Dunn and Corning, seem to him like old and tried friends, united by a bond too sacred to be polluted by any base and selfish interest; the bond of a common devotion to the advancement of an Improved Husbandry, and the social, ir tellectual, and moral elevation of the rural and laboring elasses.

He goes to New York to continue the labors to which forty years of his life have been devoted; and to unite his himble efforts more closely with theirs in this common cause, the cause of human comfort, of good morals, of private and public good. He will be most happy to be recognized as a joint laborer. He goes to New York with no assumption of authority either to teach or to lead. Nothing is farther from his thoughts. He goes not to drive the team, but to draw in the team; and while he has wind enough left, he promises, without goading or whipping, to do his best to keep the draft steady, and his end of the yoke square. He bas no higher earthly ambition than that it may be said of him, when the bow is pulled from his neck, "he has done a good day's work."

The object of the present note, is merely to make his bow to his New York friends; and to say that he hopes for their better acquaintance; and that when he calls again, somewhere about New Year, he shall, "if the old folks are willing, respectfully ask leave to stay all night." He has now just dropt in, and won't intrudo

Respectfully, HENRY COLMAN.

Premium Pitchfork.

Boston, 27th Nov., 1811.

When at the Syracuse Fair, Col. H. S. Randall presented us one of the Premium Pitebforks manufactured by Lewis Sanford of East Solon, Cordand county, N. Y. For hearty of form and finish, and especially for the quality and temper of the steel, we have never seen its equal. It is quite a curiosity; we wish the maker would send a thousand this way—they would sell rapidly.

Hatch's Sowing Machine.

Mr. Hatch requests us to say, that in accordance with numerous requests, he is nuw engaged in manufacturing the Machines at this place, and will be able to supply orders in time for spring sowing.

If you wish to be wise, it is wise to wish.

Apples.

We should estimate the difference of product between common seedling apple trees and the best selected varieties, to be not less than ten to one in favor of the latter; but the difference of value will appear much greater if we take into view the quality as well as the quantity. An extensive orchard of seedling trees, originally; and great numbers growing in a hedge, fully bear us out in these conclusions.

The fruit of seedling trees, is not generally so dilicient in number as in size, though both deficiencies often occur; and in wet summers many apples, which would be of good size in dry acasons, become black knobs in consequence of the Lichen? which spreads over them in the form of scabs.

It is remarkable that pomologists have generally neglected to notice this circumstance. Have all of them lived in drier climates than ours? Bs this as it may, some fine varieties are sestedly worth cultivating in Western New-York, solely on this account. The Queen spple may be given as one instance, and the Autumnal Sucaar as another—both fine fruits in dry hot summers, and both without doubt, better adapted to a lower latitude.

On the other hand, russets with scarcely an exception, are free from this smut. We are also inclined to think that apples with thick skins, like the Black Gilliflower, more generally escape than those with a thinner integument. It is not improbable however, that some variation from this rule may be found.

The value of apples as food for milch cows, and for the fatening of swine, is becoming more extensively known; and it may serve to console such friends of Temperance as were once largely engaged in cidermaking. We find that we have never too many, though we make no cider except for vinegar or apple sance. Many years ago in a dry season, we first tried the experiment of giving bruised apples in measured quantities to our cows; and their milk was greatly increased. Our hogs also grew fat by feeding on this fruit, without any labor of ours, except to see that a aufficiency falls. As the weather grows colder however, they gradually lose the relish for this food, especially when they get something better.

It has long appeared to us that farmers might save themselves from much expense, by planting out small orchards expressly for the keeping and fattening of swine. We recommended this measure to the public more than twenty years ago. By selecting the carliest apples and such as ripen in regular succession, food might be provided in abundance for them during a period of three months. A little swill enriched by milk or meal bowever, is a valuable auxiliary.

More than four hundred kinds of apple trees are advertised by some nurserymen; and among them are doubtless great numbers of which we know nothing; but we are not acquainted with any apple better adapted to such an orchard than the Stoeet Bough which begins to tipen in harvest. It bears every year with us, and every year alike—a full erop without breaking down. The tree is rather compact in its form, not spreading wide, and one hundred and sixty might grow on an acre. The fruit continues to drop from it for more than a month, and sometimes for nearly two months.

In planting out such an orchard however, there ought to be earlier apples than the Sweet Bough, such as the Yellow Harvest; and some later. We want applea for swine, several weeks after the Sweet Bough is commonly gone; and among the multitudes that ripen at this season, the farmer cannot be much at a loss to select some that are always productive, and slways good.

In another article we have mentioned the Gravenstein—" esteemed the best apple of Germany and the

Low Countries." We have waited two or three years after the tree began to bear, without propagating it, so that we might fully and fairly test its fruit; and we have now arrived at the conclusion that it is first rate in every respect. The tree grows freely—a model of thriftiness without any wild huxuriance. It bears well, and the fruit is large, fair and excellent. More than one taster has exclaimed—"I never ate a better apple."

Its excellence is the more remarkable on account of its being one of the very few European sorts that suit our climate. Some years ago we received from Buck Wilson, a considerable number of such as are most highly recommended by Lindley in his Guide to the Orchard and Fruit Garden; but with this solitary exception, they are not worth cultivating here. It is true that the King of the Pippins is beautiful, but it is too austere for our purposes.

Several things are necessary to constitute a variety of the first class. The fruit may be fine, but the tree comparatively unproductive. Such for instance is the case here with the Neutonen Pippin. It is easier to raise five bushels of the Sixaar, or the Spitzenburgh, than one bushel of the fermer kind. It is a first rate apple in well grown specimens, but there our enlogy must end.

Ripening of Late, or Winter Pears.

At page 82 of our current volume, we mentioned the effects of an increase of temperature in ripening winter pears. This fall, when we gathered in our Firgalieus, part were put in a warm room, and part in an out house. The former ripened much sooner than the latter.

Steven's Genesee pear was much later than usual in coming to maturity. They turned yellow about the commencement of our autumns! frosts, and fell from the tree; but remained hard while they lay on the ground exposed to the cold. On bringing them into a warm room however, they soon became melting.—The Benrre Diel and several others, under smillar treatment, were attended by similar results.

Neither apples nor pears ought to freeze; but the nearer they are kept to that temperature without freezing, the better they will keep; and we have no doubt that some autumnal pears may be kept until winter, or even until spring, in an ice house.

Many apples may be frozen hard without material injury, if the warrath be afterwards applied very gradually. For instance: if they are taken in a frozen state, not exposed to the sun, and buried in the ground. The intensity of the frost is of less consequence, than the manner in which it is removed; and if frozen apples were packed in ice, it is not improbable they would keep all the year.

But what we want chiefly to inculcate at present is, that the *time* that winter pears ripen will very much depend on the temperature in which they are kept.

To Mark Names on Fruit.

The Charleston Transcript recommends putting wax on the sunny side of half-grown peaches and necturines, "in any desired shape or form;" and the wax will hinder the sun from coloring the part that is covered. When the fruit is ripe the wax may be removed.

A more convenient method however, may be adopted for marking pears and spples. Write on the fruit when it is gathered, with a biack lead pencil, or a small stick not sharp enough to cut the skin, and the bruised part will acon change color. Where the fruit is not deeply colored, the writing will be as plain as if done with ink, and perfectly indelible. We have tound this method very conveniented useful.

The Mediterranean Wheat.

We observe that the attention of farmers in the south-eastern part of Pennsylvania, is becoming mon and more turned towards a new kind of wheat caller the Mediterranesu, the merits of which have been variously estimated; but as we have not seen this sort, we shall confine ourselves to laying the opinions of others before our readers.

From a writer in the Farmer's Cabinet, (Vol. 6 page 69,) we quote the following:

"Its diminutive cars, and short straw, its inequali ty of sample, and inferiority of flour, render it to me very exceptionable variety; indeed I wonder hot any good manager would be content to grow cars tw inches in length, yielding only twenty grains on a average, with straw so weak and short as to tall be fore the crop is ripe, and diminishing the size of th dung hill nearly one half. I have examined man crops of this peculiar species of wheat, and am con vinced in my own mind, that it is the real "Tre mois," or French spring wheat, which as its nam imports, becomes ripe in three months from the tim of sowing, and of which I have seen hundreds of acre growing in Europe, particularly in the Channel le lands, Guernsey and Jersey, where it is va ued, chie ly on this account, a character for earliness which has sustained in this country and climate; comir ripe under the same circumstances, ten days or a for night earlier than any other variety known among us; thus probably escaping the rust which is prett sure to fall on the late ripening wheat; but whereve it is sown in Europe, it is considered a very inferio poor or ill conditioned to warrant more than half yield of other varieties."

In the same paper, Jakez Jenkins of West Whitelane in Chester county, says in regard to the same kind of wheat:

"It appears to have escaped the Hessian fly an the rust. On a rich lot of two acres, I have has vested 1494 sheaves of usual size. The crop on twe large fields is not beavy, owing it is thought to ta large a growth of tumothy that had been sown with i but the yield is tolerable and the quality good."

A correspondent of ours near Downingtown in the same county, says in a letter lately received:—"Or wheat in eastern Pennsylvania, will average about twitids of a crop; but the lately introduced wheat celled the Mediterranean has yielded nearly a full crowherever it has been sown; and as yet it has escape the attacks of the Hessian fly and the mildew, makes good bread, though somewhat hareh, an weighs from 62 to 66 pounds to the bushel."

Another of our correspondents i Bucks county who resides more than forty miles from the forme under the date of 9 mo. 27, says: "A kind of re chaff wheat with large kernels not unlike rye in shap and called the Mediterranean, has been sown in th vicinity for several years past. It is not liable to il ravages of the Hessian fly, nor affected by rust or mi dew, like other wheat; and does not require au high manuring. It is fully as productive, and i many instances more so than our other sorts of whea It can be sowed early without danger of the fly, and is fit to harvest a week or more before the usual time The flower made from it this season, is better an whiter than any we have had in our house for a lon time. A very deep rooted prejudice prevails wit many, against it, without ever giving it a trial."

We should like to know whether this kind of whee has been introduced into Western New-York, and so, in what estimation it is held?

Review.

"THE ORGHARD: including the management o wall and standard fruit trees, and the forcing pit with selected lists and synonymus of the most choic varieties." By Charles M'Intosh. London, 1839 (Prico unknown.)

This is a large duodecimo, very nearly printed, are ontaining eighteen handsomely colored plates, and numerous wood cuts, all executed with much taste

al skill. It has good descriptions of one hundred al thirty-six varieties of the Apple, eight of the Ap 10t, fifteen of the cherry, twelve of the hg, fire of the hert, nineteen of the melon, screntcen of the nectaie. screnty of the pear, twenty-six of the peach with tices of many others, thirty of the pine apple, forty the plum, twenty-one of the strawberry, twenty one the grape, and imperfect descriptions of several othkinds. Thee descriptions are valuable, from the e taken by the author to seize on distinctive and rmanent characters only. Some of them, of four es, enable us much better to identify the fruits, than whole page of loosely written stuff, from some wrire of former years. We give the following as spenens of the nuthors descriptions :

"Gravenstein. Originated at Gravenatein, in Holin, Germany, and with the Courtpandee Plat, is e best apple the continent can boast of. S'ze, large; m somewhat oblong, with angles terminating in the own; color, yellowish green, marked with red on e side next the sun; stalk, very short; eye, wide, nk in a deep basin; thesh, pale yellow; flavor, very ghand vinous; duration, from November till April: bit, extremely healthly, rather a shy beazer; merit, e of our first rate desert finits.'

"Gansel's Rergamot, [Syn. Brocas Bergamot, onne Rouge, Joe's Bergamo',] Originated about 68, from a seed of the Autumn Bergamot, at Donland Hill in Essex, the sent of General Gansel. ze, large; form, cyal roundish; color, dull brown lover, tather deeper brown next the sun; eye, rall; stalk, short and fleshy; flavor excellent; dution, November and beginning of December ; habit, bough of English origin, it is much too tender to cceed as a standard : ita merits, however, claim for a place on the wall of every good garden."

The nuthor, in addition to his own extensive and grough knowledge, has availed himself of the assis nce of Robert Thompson, of the London Horticultu-I Society, under whose eye a greater number of aits have been proved and minutely examined, than at of any other person. For this reason especially, e list of synonymes is very valuable.

A number of blunders, typographical and substanil, occur here and there, which we pass by, and erely give the following queer statements:-

"It is no unusual thing to see on American peach chard containing one thousand trees growing as andards, as the apples do with us, and after the juice fermented and distilled, producing one hundred

urrels of peach brandy. The Americans usually eat a privies or clingstones, while they reserve the melting · free-stones for feeding their pigs."

" In the United States the stones of the peach are wn on a seed bed, [&c.] In the fourth or fifth ear, they produce frint, and thus thousands of subaricties are produced; not one perhaps in ten thousnd is fit for the table." &ce.

The work is however, so far at least as the practial part is concerned, written with great indement nd accuracy, and notwithstanding the peculiarties of ulture in England, it cannot fail of being of great alice to every American cultivator of fruit. An edion, adapted to this country, would be still more valable.

For the New Genesee Farmer.

Shall Agricultural Societies be Sustained?

Masses. Epirons :- A few days after the Fair of our County Agricultural Society, I was accosted in me of the streets of our village, by a very respectable armer, with the following question, viz: " Would it e any, and if so, what advantage to me, to join the Visgara County Agricultural Society ?" "Or, what is the use of such Speleties ?"

circumstances not being exactly suitable for the discussion of so important a subject, I propose to answer the question through the medium of your useful paper. But I do not expect at all to advance any thing new, to the central agricultural reader. The sobrest has been presented in most inviting forms, and in the most aboveng colors, by able and experienced writers: but the great body of the firming community have not read such articles, neither have they read any thing of the kind, except it were casually or meidentally. There has been a most remarkable stupidity and indifference on this subject. A general opinion or impression seems to have prevailed, that all was known that could be known of either mactical or seientific agriculture; and therefore, instead of profiting by the experience of one another, we have rather sought to find fault with every thing pay according to our previously conceived opinions. In short, Mr. Editor, as you have doubtless long since learned, we, as a community, are a most self sufficient, self-willed, self conceited race, always ready to teach, but never desiring to be taught !

Now what shall be done to break this charm? If you write at such you will not write to them, for they will not pay one cent per week for the best monthly agricultural paper which can be furnished. As an evidence of this fact, (if report do not be,) the " Empire County"! containing seven thousand farma on the evening of the first day of their Agriculture Fair & Cattle Show, had furnished but eighty names as members, at a fee of 50 cents each! Eighty out of 7000 ! one out of every ninety. We mistake very much, if the "Empire County" does not furnish more worshipers of Bacchus then that !

But we most sincerely rejoice, that a better spirit prevails in some of the counties of the 'Empire State.' That here and there a green spot can be seen-that a waking up, and looking about, beging to be manifest. But I have wandered too far from my subject. The onestion to be answered, was--What is the use of Agricultural Societies?

1st. They serve to correct one of the greatest evils in the general management of our farmers, viz: that of cultivating too much land. The average crep of wheat throughout Western New York, will not probably exceed for the last two years, 15 bushels per acre, corn 30 bushels, pointoes 100 bushels, and grass 11 tons. Query. What would be the cost per acre, to make these same lands produce double the quantity, or the same quantity from one half the number of acres? The influence of Agricultural Societies is to test this onestion. By the act of our legislature to aid Agriculture, &c., funds are provided to be paid in premiums to those who raise the greatest quantity of produce at the least expense. The inquiry will arise in every mind, "How shall I manage such a piece of corn, for example, that I may obtain the greatest number of bushels at the least cost? How many times shall I plough it? How much, and what kind of manure shall apply to it? How often, and in what manner shall I hos it? How much horse labor shall I use, and what implements shall I use with the horse? The plough, cultivator, or neither? And again, how shall I harvest the crop?" Such like inquiries will naturally suggest themselves, and we shall adopt that course, which, in our various opinions, will be most likely to produce the desired result. And when we have found the best course to enable us to obtain a premium for the best crop, we have also the best course to enable us to enrich ourselves.

It will be noticed that the provisions of the act referred to, require the payment of the premium, not for the greatest quantity raised on an acre of land, but for the greatest quantity at the comparatively least ments of the journey of life.

Being under an engagement at the time, and the cruense. I may put a hundred loads of manure to an acre of laid, and spend the whole season in the tillage of that acre, and obtain therefrom 100 bushels of corn. or 400 bushels potatoes, or 50 bushels of wheat; when d I were to charge that erop with all the expenses thereof, it would aerlane cost me more per bushel than my neighbors erop would him, at one balf the expense. Thus we see, that the most conomical course is the one to be sought for, and not merely the raising of the grentest quantity per acre, but the raising of the greatest crop at the least comparative expense. The same principles are to be recognized in the matter of raising and fattening of stock. The object is not to see who will produce the largest or lattest calf or ox, but what stock will futten at the least expense; and what kind of feed is most profitably fed to eattle or swine. Also, the same rule should be applied, in awarding premiums for agricultural implements.

Now suppose our whole farming community. I mean every farmer, should carefully read an agricultural paper, should join the county agricultural society, and should apply himself, by rending, reflection, conversation, and experiment, for a course of ten years, according to the principles set forth in the said act, whn do you suppose, Mr. Editors, would be the result? Should we not see the effect on the very foce of nature ? and especially on the face of mun? Should we not see it in our buildings, in our fences, as well as in our crops? Should we not feel it in our very bones, as we return from our daily labor, to the houseon which no man has any claim for the erection thereof, and where with the happy family, we enjoy the fruit of our labors, and where no constable or sheriff con "molest or make us afraid."

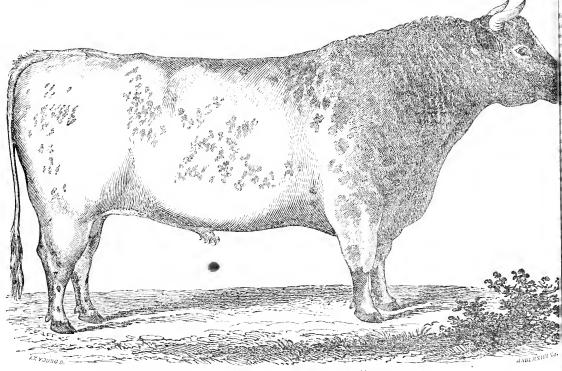
Again. The operation of agricultural societies under the present law, will lead farmers to keep accounts of their expenses and profits; a consideration of no small importance. He thus ascertains, not only what his wheat, corn, oats, potatoes, &c. cost him per bushel, but which is the most profitable crop. And the some practice carried out, will lend him to keep an secount of his expenses for the support of his family. for his hired labor, improvements on his farm, build-

Again. The formation and support of societies is the most efficient means of improvement in all the useful arts. It encourages a spirit of enterprise and emulation, it diffuses a knowledge of useful experiments, affords opportunities of social intercourse, and serves to disnel those illiberal feelings and groundless jealousies, which often exist in communities, and block up the avenues of friendly feeling and pleasurable eninvment in a neighborhood.

The fruits of such societies, will be the improvement of our agricultural implements-the introduction of improved breeds of stock into every town and neighborhood--a proper rotation of crops will be better understood-manures will be greatly increased and more understandingly applied-and a general spirit of inquiry will be awakened, and a spirit of commendable competition will be encouraged. We not only calculate and reason that such would be the case, but these statements have been proved true to a demonstration, in the operations of many societies, both in this country and in Britain.

Yours, &c., as ever, NIAGARA. Lockport, Nov., 1841.

Next to the love of flowers is the love of birds .-Teach your children in mercy to spare the nests of the harmless little birds, and if you have a heart to be thankful, it will rise up in union with the little songster's coral, to think your lot is cast in such a pleasant vale of flowers and singing birds. These are some of the many things provided to lighten the toil of labor, and it is only a vitiated taste acquired from a false eyetem of education, that prevents us from deriving a great deal of happiness from such small accompani-



IMPROVED SHORT HORN BULL "ARCHER." THE PROPERTY OF J M. SHERWOOD, ESQ, AUBURN, N. Y.

Obtained the first Premium at the Vair of the New York State Agricultural Society, at Syracuse, September 29th, 1841.

"Archer," is in color mostly white, with a roan head and neck-his body has some roan spots-was bred by F. Rotch, Esq. Butternuts, O:sego Co., N. Y. Calved, 15th of June, 1837. Sired by Rollo.

aivea, 15th oi June											_		
	D	am,	Adaliza, by Frederick,	(Herd	Book)	1060.	1					o, sired by Patriot. (Herd Eook) 🧐	
	G.	44	Adelia by Orpheus,	+		473.					Dam,		614.
G.	G.	66	Alpide by Alfred,		-	23.	1			G,			9-3,
G. G.	G.	11	Strawberry by Winsor,			698.	ĺ		G.	G.	1.6	Rosa, by Young Denton, - 9	9 33.
G. G. G.	G.	4.6	Old Dairy by Favourite.		-	252.	1	G	G.	G.	6.6	Ruby by Denton, - 1	193,
G. G. G. G.	G.	64	Old Dairy by Punch,	-		531.	- 6	ł. G.	. G.	G,	4.6	Old Red Nose by Frunne'l,	€59.
G. G. G. G. G.	G.	"	Old Dairy by Hubback,	-	-	319.							
*, * We regret that the	e absen	ice of	Mr. SHERWOOD has preven	nted him	from ir	nspecting a pro	out of the above	Engr	avin	7. V	Ce hav	re spared no pains to have it correct —E	ns.

Allegany Co. Agricultural Society.

At a meeting, held for the purpose, in Angelica, October 6th, 1811, an Agricultural Society was formed for the County of Allegany. The following persons were elected officers for the ensuing year:

WILLIAM G. ANGEL, President.

Vice Presidents.—John Ayres, George Lockhart, Orra Stillman, James Wilson, jr., Andrew Baker, William Vsn Campen, Stephen Wilson, jr., John Boles, Martin Butts, Stephen Mundy, Rodniau Free-born, William A. Stseey, Edward H. Johnson, Peter Lervy, David T. Hamilton, Josiah Utter, Isaac Van Austin, John White, Jabez Burdick, Luther Couch, Samuel C. Clark, John Seaver, Asa K. Allen, Jacob Clendening, John Jones, James Perkins, James Mc-Call, Abraham Middaugh, Jesse B. Gibbs, Jonah French.

Recording Secretary .- A. S. Diven.

Recording Secretary.—A. S. Liven.
Corresponding Secretary.—Ransom Loyd.
Tressurer.—Alvin Burr.
Managera.—Vial Thomas, Stepto Woodruff, Chas.
Maxson, Brice Carr, Hiram Harmon, John Simons,
William Brown, James Mthews, Eli Lasure, Noah Smith, Elias Smith. Levi Latham, William Duncan, Moses Parsons, Stephen Wing, Hollis Scott, Samuel Jones, Reuben Weed, Hiram Wilson, Oliver M. Russell, Samuel S. White, Calvin B. Laurence, Isaac Andrews, Joshua Rathbone, Moses Smith, Orleton F. Messenger, Abram J. Lyon, William Knight, John Lockhert, Daniel Willard.

Wayne County Fair and Cattle Show. At Newark, October 16, 1841.

We find the following remarks appended to the list of premiums in the Wayne Co. Standard:

THE FAIR. - Saturday was a great, a glorious day or Newark, and a proud one for this county. Fair which came off here on that day, was, to say the least, more than ordinary. The weather during the week preceding Saturday, was April-like, showers and sunshine, with a considerable more of cloudy murkiness than sunshine, and consequently the roads were somewhat wet and muddy. These circumstances seemed to impress our villagers in the morning with the belief that the Exhibition would prove to be rather a "slim af fair"—yet contrary to the expectations and forebodings of all, and in accordance with their wishes, the overhanging clouds withheld their showers, and the attendance of people and the num-ber of stock and articles exhibited were far greater than had been anticipated.

The Wayne County Agricultural Society is yet in its infancy. It is, to three quarters of the farmers of this county, what may emphatically be termed a "new thing;" yet with its present flattering prospects, and the awakening interest that it is apparent is being taken in it, bids fair to be one of the first agricultural associations in the State.

Murrain in Cattle.

"A Grain of prevention is worth a pound of cure," So says your correspondent N. in the October num-

ber of the Farmer, and in that I perfectly agree with him. I think it is probable that ashes may be of some use as a preventive of Murrain, but from my observation, I believe that salt petre is a much better article for the purpose. The proper quantity is, a peice about the size of a large kernel of corn, given once a week. A neighbor of mine has used this mode of prevention for twenty years, with almost entire suc-

When cattle are attacked with this deadly disease, I would recommend giving them, say, 2 oz. of Gum Gamboge, dissolved. This is a powerful physic; and it is very necessary to get something to pass the animal. I believe that the Dry Marrain always precedes the Bloody Murrain, and is the cause of this last and most fatal disorder, which is often quite prevalent in the Western country.

WILLIAM WALLACE.

Barcelona, Richland Co., Ohio.

Annual Meeting of the State Society.

We invite the attention of our renders to the notice in another column, of the Annual Meeting of the N. Y. State Agricultural Society, at Albany, January 18th and 19th, and to the list of Premiums then to be awarded. All who can, should attend.

Culture of the Premium Crops

s intend in this and forth-coming numbers to sh the statements respecting the mode and exas of culture, value and use of product, &c., of numerous extraordinary crops for which premihave been awarded the past season. From the cation of this kind of information we believe will t some of the greatest benefits to be derived from ultural societics. We cannot devote much space e subject this month, but will commence with Root Crops.

RUTA BAGA.

ap raised by F. P. Root of Sweden, Monroe -1200 bushet per acre-Soil, black vegetable id-rather moist-previous crop, Wheat. The and was ploughed once in the fall and twice in the -1200 bushel per acre-Soil, black vegetable g, previous to sowing. Only a part of the land manured-that part produced the largest roots. seed was sown an the 16th of June. (Other parrs not state !.)

op of Ruta Baga raised by Geo. Sheffer, of atland, Monroe Co .- 552 bushels per ucreblack clay loam, (Genesee Flats,) bears drouth vet extremely well. Previous crop, corn; no arc. Sowed at the rate of two pounds of seed to ere; in rows 2 feet and 3 inches apart, and left lants 6 to 10 inches apart in the rows Consi lne roots worth 123 ets. per husbel-feeds them to , principally.

SUGAR BEETS AND MANGEL WURTZEL.

aised by Geo. Sheffer, of Wheatland-1100 ls Sugar Bects, -- 1000 bushels Mangel Wurtzel ere-Soil the same as above ; previous crop, Po-; manured with 25 loads of well rotted manure cre, ploughed under in the fall. Ploughed once spring when ready for planting-midle of May. mer of preparing the ground, planting, &c., the as described hereafter for Carrots.) Sow three is of seed per acre. Feed these roots to my cows ther entile-consider them worth about the same ita Bagns.

CARROTS.

ised by George Sheffer-6533 bushels per acre. EMENTS. - The soil on which I raised my carrots, lack heavy loam; (Genesee Flats,) not liable to much from drouth or excessive moisture. The ous crop was potatoes. Twenty-five londs of rattled manure were applied per acre, and thed under in the fall. It was then left till the of planting-20.h of May; I then commence lough a narrow land on one side of the fieldbarrow and roll immediately, before it becomes which leaves the surface fine and smooth for ing. I then mark out the rows, two feet apart, sa implement made for the purpose, resembling avy rake with two pegs or teeth 2 feet apart. h is drawn across the field by a man, f- st putting ree or four stakes to measure with and go by, so make the rows straight.

oak the seed 48 hours, then roll it in white plasefore sowing. Two pounds of clean seed are site for an acre. I measure oil the ground and tain how many rows there will be, before I com to sowing : then I measure the seed and calculate uantity per row; then a boy drops the seed by along the brills calculating the requisite quantireach row. Another person immediately passe with a line and covers the seed } to 3ths of an deep, with fine car:b, smoothing it down firmly the back of the hoe, which leaves the rows disly visible and greatly facilitates the first weeding. s soon as the plants show the third leaf, I hoe and them, leaving them from 3 to 6 mehes apart. 1 them clean of weeds during the summer, and

them with a spade and put them in a cellar.

The following is as nearly as I can estimate the expense of raising and value of my crop, of one acre of

Preparing the land and planting, 5 days work. do. Horing and thinning 1st time, 9 2.1 do. do. 4th " do. Digging and scentit g crop \$30,00 Say 40 days labor at 75 cents per day, 3.00 Two pounds clean carrot seed,

\$33,00 Expense of crop, I feed my carrots to horses, and consider them worth at least half as much as oats.

Say 6533 bushels at 1 shilling and 3 pence 102.10 10,00 Value of the tops for fall feeding, at lenat

Total value of erop, 119 10 Deduct expense, as above, 33,00 \$79,10 Nett profit of the crop. GEO. SHEFFER.

Wheatland, Monroe Co., N. V.

Remarks .- Our renders will perceive that Mr. Sheffer has omitted to reckon the rent of the land and the value of the manure used for the above crop. These items we should judge, would reduce the nott profit to about Sixty fire dollars. A liberal sum for one acre. - Eus.

(Other premium crops next month.)

Culture of Silk in Families.

We have rece ved a communication of some length from Thomas Lefevere, of Venice, Cavuga county, detailing in full his first experiment in the culture of silk on a small scale, which our limits will not permit to give entire. Our correspondent did the whole of the work himself, and kept an accurate account of the time required in attendance upon the wortus, an abstruct of which is here given, with cost and proceeds: DR,

Time feeding, &c 103 ho	
Fixing frame, &c 7	
Gathering cocoons and picking them clean . 3 '	
Drying them 2 '	4
Dijing memorati	
115 ho	urs
which at 10 hours a day are 11 days 5 hours-	
which at only 50 ets a day is	
1 year interest on cost of trees,	
I year interest on cost of trees, the cost of trees	
£6 25	
.	
Cr.	
Half a bushel and 2 quarts cocoons, at	10.
The Anburn price 1	73
State bounty	243
State Bount)	_
81	0.4
φ.,	0.4
Loss\$1	21

The mulberry used was the white Italian and Multicaulis-mostly the former-and our correspondent adds, "I find by this experiment 10,000 worms would be full employ for one person, which, if no ensualties occurred, would produce 3 bushels of coccoous; these at the Auburn price would be 9 dollars, and the state bount; would be \$1,35, making \$10,35 for the labor of one person for at least 40 days; allowing nothing for trees and attending them, interest on their cost, and on the ground, &c. and without any allowance for time in obtaining the state bounty. And even if it could be attended to by the wife and children of a farmer, to save expense of hiring, even then the pay is so appll as not to be worth the additional laborleaving out the loss by neglect that the butter and cheese would sustain-as nost females, particularly the wife, have as much work as can usually be accomplished. From this trial I am fully persuaded that silk cannot be raised in a small way in a farmer's family, to any advantage-though it may perhaps answer better on a large scale as a business by itself, as with many other things."

We would merely remark, that with all the disad-

we think this is perhaps quite as successful as could have been expected. The silk business must of course be like every other pursuit-it must require thorough experience, strict economy, close application, and everything in good order, to be profitable-and those who expect to jump at once into wealth by this means, will find themselves as greatly mistaken, as the farmer would, who, without knowledge, without tools, without seed and without live stock of modern kinds, should dive at, into the wilderness, and attempt at one, to compete successfully with the products of our large markets.

Agricultu al Fairs-the Right Spirit Reviving. The Autumn of 1841 has been peculiarly distinguished by the attention that has been given to the The great Fair of the State cause of Agriculture. Agricultural Society at Syracuse, the Fair of the American Institute, in this city, numerous Fairs of county Societies in this State and of other Agricultural Societies in the State of Massachusetts, Connecticut, Pennsylvania, and several other States, havo exhibited products of the soil, and improvements in the mode of cultivating it, never before equalled in These assemblages have also encourthis country. aged, attended and conducted by the very ablest and best of men in the country; and we cannot doubt have sent abroad a spirit that will exercise a most wholesome influence upon the pursuits, the habits, and character of the people of this country.

The natural business of the American people is agriculture. It is the basis of our wealth and independence. This is evident from the extent, fertility and productiveness of our soil. The national and individual welfare of our people requires that agriculthre should keep the position which nature has assigned it, in advance of all other callings. We would not depress manufactures and commerce, but would let them depend upon the products of the soil, and be sustained thereby. It is impossible that they should be successful to a proper extent, if regulated by any other standard.

It is gratifying, therefore, to see the lively interest every where awakening in the cultivation of the earth. It is an honest, and independent and a healthy business. It was grossly neglected a few years since: farms were sold in city lots on speculation, instead of being planted, as they should have been, with corn, potatoes and turnips; our people were so deluded as to buy grain from the shores of the Black Sen, rather than raise it on their own lane. Depravity of morals, commercial rain and general distress followed as the inevitable consequences of this great error. are glad to see the people returning home from their wanderings, filling their barns, and houses and stores wanderings, finding their owns, and a stock of the switch the products of bonest industry, and rejoicing in the study independence of thrifty farmers. Long may it be before our fertile "potate patches" and "enbhage yande" are again laid waste by being surveyed and lithographed into unlikabitable cities.

It is the duty of the press and of our public n.cn to encourage the movement of what may be considered our great national business, agriculture. There is our great national business, agriculture. There is no danger of everdoing it. Who ever heard of overno danger of overdoing it. trading in this branch of business? No matter how extension this broaders may be, there will be a extension for them in some part of the world. The bumarket for them in some part of the world. siness of exporting and exchanging them will suppo t a vast commercial interest, and a large manufacturing interest will also grow up as a natural and necessary incident. But agriculture must take the lead; in it is he origin of all prosperity; before we begin to trade we must produce something to trade with; and we must preduce the raw material before we set up factories to improve it.

No matter, therefore, how much we stimulate by proper means the cultivation of our soil, there is no danger but that commerce and manufactures will fol-low last enough of their own accord. They are more hable than agriculture to excess and over action.
Their results are more splendid, and ambitious adventures are more ca.ily enptivated by them. constant tendency, especially in commercial affairs to go too first. No apprehension need therefore be felt go too list. No appreciation freed about the business of agriculture should get too far ahead; the difficulty is in ke ping it sufficiently advanced. Let commerce be regulated by it, dealing only in the surplus values produced in the country. and looking to no ficut ous and temporary stimulants and how soon the Insiness of the country in every department would become settled, stable, regular and permanently profitable. We should hear of no more ruinous revulsions and fluctuations, and should have t the lot of November I harvest the crop-dig vantages of a first experiment, imperfect fixtures. &c., no troubles with a depreciated currency.-N. Y. Sun. Livingston County Fair and Cattle Show. (At Genesco, October 22d, 1841.)

The Secretary informs us that, although the day was stormy, and the roads muddy, the exhibition was The such as to make it a meeting of great interest. display of stock was unusually large and fair. The numerous pens and ample grounds set apart for the exhibition were at an early hour filled, and the committee for that purpose had to construct a range of new pens to contain the incoming throngs of cattle, aheep and swine. A great many very noble specimens of stock were exhibited. A fine pen of Holderness owned by Mr. Skinner of this town; a Teeswster of Mr. Kemp of Groveland; several Devons and a great many Durhams from several towns were exhibited. The improved Short Horn Durham breed seemed most in favor. There was also a fine show of Swine; of the Berkshire, Leicesters, and Byfield breeds and

The Butter exhibited was very abundant and of matchless quality. Some very beautiful specimens of Needle Work. Damestic Cloth and Carpeting were also exhibited and excited much admirstion.

Upon the whole, the exhibition, emsidering that it was the first of the kind, was highly cred table to the county. And if the Society follow up this first effort with becoming zeal the next exhibition, which will embrace a greater range of articles, will show that Livingston will not be more famous for the fertility of her vallies than for the richness and variety of her productions.

The following Premiums were awarded: 1st best Bull 2 years old and over, \$15, David M. Smita, Avon.

2d best Bull do \$3, E. A. Le Roy, Caledonia. 3d best Bull do \$5, Hoil way Long, York.

Best Yearing Bull \$8, David Brooks, Avon. 2d best Yearing Bull \$5, John R. Morray, Mount

Best Bull Calf \$5, Daniel H. Fitzhugh, Groveland. Best Pen not less than 3 Calves \$5, Thomas Tyler, Genesee.

2d best Pen not less than 3 Calves \$1. David Brooks. Avon.

Best Cow \$10. David Brooks, Avon. 2d best Cow \$5, Thomas Newbold, Caledonia. 1 Best Heiter 2 years old \$5, Isaac Casey, York. 24 best Heifer 2 years old \$3, Roswell Stocking, York.

Best pair Working Oxen \$10, Roswell Root, York. 2d best pair Working Oxen \$3, Allen Ayrault, Gen eseo.

Best pair 3 year old Steers \$5, Holloway Long, York.

Best pair 2 year old do \$5, George Root, York. Best Stallion \$10, David Brooks, Avon. 2d best do \$5, Robert Wholey, Avon. Best brood Mare \$8, Pell Teed, Leicester. 2d best do \$4, Reuben Squier, Geneseo. Best Spring Colt \$5, Pell Teed, Leicester. 2d hest do \$3, Reuben Squier, Genesco. Best pair Matched Horses \$10, William A. Mills, jr.

Mount Morris. 2d best pair Matched Horses \$5, Ja's. S. Wadsworth,

Geneseo Best long Wool Buck \$6, Mr. Oliphant Mt. Morris. Best long Wool Buck \$6, Mr. Oliphant Mt. 2 24 best do \$4, Thomms Parsons, York. 34 best do \$2, Richard Peck, Lima. Best fine Wool Buck \$6, Roswell Root, York. 24 best do \$4. Charles Colt, Genesco.

3d best do \$2, Reuben Squier, Geneseo.

Best Pen not less than 5 long Wool Ewes \$5, Allen Ayrault, Genesco.

2d best do do William Squier, Genesco. Best Pen not less than 5 fine Wool Ewes \$5, Charles Colt. Geneseo.

21 best do \$3, Reuben Squier, Geneseo.
B st Boar \$8, N. Hatbaway, Geneseo.
21 best Boar \$5, T. Tyler, do
Best breeding Sow \$8, William W. Wadsworth,

Geneseo.

21 best breeding Sow \$5, Sullivan Drew, York. Best Plough \$5, E. G. Holliday, Sparta. 2d best Plough \$3, none offered.

Best firkin of Butter \$4, David Brooks, Avon. Best 20 lbs. Roll do \$2, Mr. S. A. Hooper, York Rest 50 lbs. Cheese \$3, Thomas Tyler, Genese Best pair fat Oxen \$10, William A. Mille, Mount Morris.

1 Divan, 3 Ottomans, needle work, \$2 50, Mrs. Campbell Harris, York. I worked Chair and I Screen, needle work, \$2 50,

Mis. John Young, Cenesco. Plaid Flannel \$3, Mrs. O. D. Lake, Mt. Mortis. Black and White Flannel \$2. do

Moscow stripe Flannel 3, and Full Cloth 2-\$5, Mrs. Esther Harris, York.

2d best fulled Cloth \$1, Lyman Turner, Genesco. Stocking Yarn \$1, Mrs. Cornelius Shepard, Genesea

Skeins Silk \$1, Mrs. McVcan, York. 2 piecea Carpeting \$1, Pell Teed, Leicester. Entry and Stair Carpeting \$4, Mrs. G. Nowlen,

Specimens of Glass \$2, Mt. Morris Factory. Best fine Wool Lamb \$3, Charles Colt, Genesco. Best Leicestershere Lamb \$2, William Squier, do. 2d best do do \$1. Richard Best Yearling Colt \$1, Jonathan Miller. \$1. Richard Peck, Lima.

Best 2 year old Colt \$2, R bert Wunley, Avon. Best improved Fanning Mill \$1. Pell Teed, Leicester. Improved Clevis \$1, E. G. Holliday, Sports.
Immediately after the reports of the committees were read and the foregoing premiums were declared.

the Society pro ceded to the choice of officers for the ensuing year.

The following office s were elected :--JAMES S. WADSWORTH, President.

EDWARD A. LE ROY, Vice Presidents. PAUL GODDARD, C. H. BRYAN, Recording Secretary. Felix Trace, Corresponding Secretary. ALLEN AYRAULT, Trensurer.

MANAGERS. Holloway Long, York. Jeredish Horsford, Leicester. William A. Mills, jr., Mt. Morris. William Scott, Sparta Harvey S. Tyler, Springwater. John Hen derson, Conesus. Augustus Gibbs, Livoura. Asahel H. Warner, Lima. D. H. Fitzbugh, Groveland. Ira Merrill, Avon. Charles Colt, Genesec.

Niagara Co., Fair and Cattle Show. At Lockport, O.t. 22d, 1841.

The following account of this exhibition from the pen of our eld friend "Nagara," accompanies the list of premiums published in the Lockport paper. We are happy to learn that this fine county is also waking up to a sense of her true interests.

A'though this was the first attempt at any thing of the kind ever witnessed in this county, and though the roads were exceedingly muddy in consequence of recent rains; yet the gathering of the enterp ising tarmers and others of the county was very numerous, even beyond the expectation of any. The day was invorable, for the season of the year, and the multitode were apparently never in better spirits such a meeting was a novelty with us, many attended merely as "lookers on," yet words, actions and looks. hespoke unusual grantication and pleasure, and this 'farme,'s holiday' was pronounced by more than one, a proud day for Niagara. Political and sectarian distinctions were apparently unknown or forgotten, and an expression of kindly, fellow feeling was uniformly manifest. The show of animals, although not formly manifest. as numerous as in some of the eastern and middle counties of the state, was very respectable, not only in number, but in grade and appearance, and afford ed the most gratifying evidences of improvement, and that our farmers and berdsmen are not asleep, or indifferent on the subject of cattle husbandry.

The cuttle exhibited were nearly all of them crossed between the Short Horn, Devenshire and the native breeds. Although the frosty nights, rainy days, and muddy roads, had rendered their appearance less sleek and beautiful than it otherwise would have been, yet we venture the opinion that many of them would not suffer in comparison with the best animals in some of the older counties. There were several calves of improved breeds which excited much attention, some five or six yoke of working oxen were presented, of the most stately and beautiful appearance, and were mneh admired.

The number of horses, &c., on the ground was very entisfactory, and better pairs of matched working horses, such as the farmer wants, can hardly be

Of the swine exhibited, some were specimens of very good Berkshires, Chinas, &c., but the show was not very numerous, nor as good as may be expected in future years. Enough was to be seen however, to

convince the observer that our pork makers were dis posed to improve their breeds of porkers.

The different varieties of sheep, were several chem represented. The Mermo, Saxon, Bakewe and South Down were by no means indifferent specimens of these varieties, some of which attracte much notice. One back introduced by Mr. Hess, Somerset, was very much admired on account of th fineness of the wool and size of the carcase. A fu blood South Down Buck exhibited by Mr. J. Wi beck, of Cambria, presented a good combination (the most desirable qualities for the farmer, viz : a st erior quality, and a fair quantity of wool, with a siz of carease and a publicness of form showing a strong and vigorous constitution. There were others per haps equally deserving, which I did not particular notice. The show of vegetable products, each as beets, ca

rots, pumpkins, squashes, &c., wese such as to prov that the soil and cultivation of Niegara, (some par at least,) are not surpassed any where. A sugar been exhibited by Mr. E. W. Smith, raised on as hard an clay soil as can be found, weighed 221 pounds, show ing what may be done by cultivation. Several spec mens of cauliflower, also raised on the same ground were most splendid. Wheatfield and Cambria fu mehed pumpking weighing 40 pounds and upward Squashes large enough to fill a half bushel measure were exhibited by Mr. Atwater, of Lockport. The specimens of wheat and corn, oats and pot

toes, were admirable. As fine samples of wheat can be found in the world, were exhibited; corn at oats at the rate of 90 bushels per acre, and potatoes the rate of 400 bushels per acre, and that too, with out any reference to an agricultual exhibition, gi some evidence at least, that our border county co tains the soil, and the cultivators thereof, which w not suffer in compatison with many others much me celebrated. Notwithstanding great credit is due our yeomanry, to our breeders of cattle, horses, she and swine, yet, a meed of praise not a whit less, due to the "ladies of the farm house," many of who graced our numerous assemblage, not only with the presence but with the work of their hands. The e hibition of carpets, flannels, woolen yarn, stecking socks, &c. &c., were all respectable, and some them very much admired. But in the article of bi-ter, there were many samples of superior exc lience One of the viewing committee remarked to me, the he had served in the same capacity 14 years, in t eastern counties, and that he never had seen so man as perfect sam; les of butter, -a fact reflecting mu dit upon this bra ch of bousehold manufactures

When we can ider that this was the first effort the kind ever attempted by us; that our society w nor organized till near the last of June,-that the I of premiums was not made known till the unddla July, so that no stock, or vegetable could have be raised, or cultivated in reference to such premiums, what may we not expect when our society shall he attained years of maturity and experience NIAGARA.

Vours. &c.. Lockport, October 25. 1841.

The election of officers for the ensuing year, wh took place on the day of the Fair, icsulted as follow WM. A TOWNSEND, President.

DAVIS HURD, V. Presidente. JOHN GOULD, Jr. 5 WM. PARSONS, Secretary. WM. O. BROWN, Treasurer.

Executive Committee. CAMBBIA-Thomas Comstock, D. W. Crape II. McNeil.

HARTLAND-C. H. Skeele, Abner Kitridge, Ha Harrington. LOCKPORT-Joel McCollum, Jacob Gaunt, Rive

Stevens. LEWISTON-Asakel Lyon, Rufus Spaulding,

Playtet. NIAGARA-Parkhurst Whitney, C. II. Witm Eliphalet Gillet.

NEWFANE-James Wisner, Peter McCellum. W. Merritt.

PORTLE-J. C. S. Ransom, J. Clapsaddle, Jac Most.

PENDLETON-John Baker, George Hawley, Aar Parsons. ROYALTON-Wm. Freeman, Erestus Hurd, 1

Carpenter, SOMERSET-M. S. Douglase, Peter Hess, J. Baheock.

Wilson-Daniel Dwight, Daniel Holmes, Morg Johnson. WHEATFIELD-N M Ward, I Sweeney, H. Mill

The Farmer.

If I was asked who belonged to the privileged order your land, I should reply, the farmer, for no other eason than that he is rarely ever the victim of those netuations of trade and the currency-and that he is ntirely relived in the sale of his products from the vils of that credit system to which almost every othr class of the community is subjected.

Whether the price of the necessories of life be high r low, it is all the same to the farmer so far as he prouces them for his own consumption. His surplus ulike the wares of the tradesman, or the products of the nanufacturer and the mechanic, will always command ash, and on that account it is at all times free from hose assessments which the credit system never fails impose on the enpital and products of the other lasses of community; in fact it is always the farmer's wn fault, and it can never be said that it was an evil neidental to his profession, if he is ever found linked with bankruptcy, or his substance diminished by bad lehts.

Look at the poor unfortunate miller and the proluce-buyer, growing up under the hot-bed influence I Banks, which gives an additional stimulous to their dready too active gambling spirit. They are the armer's victims.

Look at the clergyman, faithful and gifted as he nay be in teaching those lovely lessons which make nan godlike; yet is be hardly sure from one year to nother of a place whereon to lay his head.

Look at the lawyer, now starving, unless he can get ractice in that juryless court, whose title burlesques he name of equity.

The merchant and the trader encumbered and pardized by competition, bad debts, embarrassment, ankruptey. A victim of the credit system and bank ntlations.

The mechanic, felony enting out his substance or lisgracing his fair fame, in the shape of a States Prison o-brother; often reduced to the bard necessity of naking his employer rich before he can get his pay ; ais career is too often one of labor and embarrassment. But the farmer with the staff of life in his barns, sheep on his hills, and pigs in his pen, laughs to scorn the actitions ills of life; 'tis true, he has his cares, but without them he would be much to be pitied. If every thing was done to his liking without his own supervision, the devil or some demon passion would become his master,

" Making his abundance, the means of want."

The industrious, provident farmer has the earth for his chemical laboratory, which, in common with its glowing vegetable surface teaches him many lessons. Flora s his handmaiden, and Ceres and Pomora shed their bounties upon him, making him nature's noble-S. W. man.

Items. Condensed from Exchange Papers, &c.

GREAT HEIFER -- A heifer, raised by Col. Paxton, of Columbia county, Pa., was recently exhibited at Ph.ladelphia. She weighed three thousand pounds, is half blood Durham, and was sold to her present owner for one thousand dollars. She is five years old. This shows the great advantages which farmers would derive from crossing their native cattle with good full blood Durhams.

INDIA COTTON .-- A lot of 100 bales of cotton was sold in the summer in London at 81d. per lb., being the first shipped from Madras, from the new English plantation.

CARRIAGE SPRINGS MADE OF AIR .- Allen Putnam, of the New England Farmer, says that II. L. Ellsworth, (who is at the head of the patent office,)

may read and write without any inconvenience; and that he rode in a car, constructed with such springs, containing 80 passengers, which fully answered the expectations and promises of the patentee. It appears that the spring is made by using apright 12 inch cylinders, containing air condensed to one-thriteenth of its usual bulk, on which a piston rests; but how the air is kept completely confined by this piston, while the latter plays freely, we cannot fully understand, as it is unexplained.

Cors On .- In Indiana, where corn is worth only 10 cents a bushel, lamp-oil is made from it, by granding the corn, and fermenting it with mult; the oil rises, and is skimmed from the surface, and the meal fed to lings.

TREES .-- In Japan, there is a law, that no one can cut down a tree, without permission of the majestrate of the place and even when he obtains permission, he must immediately replace it by another.

CHEAP ROOFS .-- A correspondent of the Famer's Cabinet, says, that if rafters, are covered with kilndried half-inch boards, closely fitted at the edges, and these with sheathing paper, (such as is used under the copper of ships,) with a conting of tar added, an excellent roof is formed that will last many years. That the fo lowing composition was used in this way for a roof, twenty years ago, which is now as good as when hid : Eight gallons tar, two gallons Roman cement [water hme], five lbs. resin [rosin we presume], and three bs. tallow; boiled and very thoroughly stirred, laid on the roof very evenly with a brush while hot. Sprinkle this while hot with sharp a fied sand, when cold apply another coat of tar, and of sand; and one coat of tar in six years.

An incombustible wash for the above is made by mixing six quarts of dry, water, slacked, sifted lime, with one quart of fine salt, and adding two gallons water. boiling and ekimming it. Add to five gallons of this, one pound alum, half a pound of coperass, and slowly half a pound of potssh, and four quarts fine shorp sand. It may now be colored as desired, and applied with a brush. It is said to be as durable as stone, will stop lenks, exclude moss, and is excellent on brick work.

BUDDING ROSES .-- Dr. Van Mona buds roses in June, so that they grow, and frequently blossom the same year. He prepares the young and suripe wood by separating the leaves, leaving only the foot stalks; two weeks after the buds are swollen and fit for insertion; at the time the bud is put in, the stock is cut off six inches above it. They are bound with bass matting, previously drawn through a solution of alum and white soap, and dried, which completely excludes

To Remove OLD PUTTY .-- In taking out broken window glass, nitric or muriatic acid will soften the putty at once.

TRANS-LANTING EVERGREENS .-- P.nes and spruces are justly considered a great ornament in door yard scenery, and few ever succeed in transplanting them successfully. The following mode, copied from Downing's late admirable work on Landscape Gardening, though not altogether new, is excellent, and we hope many will be induced to practice it at this season of comparative leisure. "The trees to be removed are selected, the situations chosen, and the holes dug, while the ground is yet open in autumn. When the ground is somewhat frezen, the operator proceeds to dig a trench around the tree at some distance, gradually undermining it, and leaving all the principal mass of roots embodied in the ball of earth. The whole ball is then left to freeze pretty thoroughly, (generally till snow covers the ground,) when a large sled is informs him that he lately signed a patent for a man brought as near as possible, the ball of earth containto construct springs for rail care so that the passengers ing the trae rolled mean is and it and it among the

to the hole previously prepared, where it is placed, in the proper position; and as soon as the weather becomes mild, the earth is properly filled in around the ball." When skillfully performed, says Downing, this is the most complete of all the modes of transplanting, and the trees senteely show, on the return of growth, any effects from removal.

Germinating Seeds Under Colored Glass.

The following remarks by " Mr. Hunt, the Sceretary of the Royal Polytechnic Society," in England, relate to a most carious discovery; and, one which may prove very useful to the cultivators of rare exotics. We hope some of our readers will be stimulated to repeat the experiments, and to rend us the results.

"It is scarcely necessary to explain that every beam of light proceeding from its solar source, is a buildle of different colored rays, to the absorption or reflection of which we owe all that infinite diversity of color which is one of the greatest chains of creation. These rays have been long known to possess different functions.

"The light which permeates colored glass partakes to some considerable extent, of the character of the ray which corresponds with the glass in color; thus blue glass admits the blue or chemical rays, to the exclusion, or nearly so, of all the others: yellow glass admits only the permeation of the luminous rays, while red glass cuts off all but the heating rays, which pass it freely. This offords us a very easy method of growing plants under the influence of any particular light which may be desired.

"The fact to which I would particularly call attention is, that the yellow and red rays are destructire to germination, whereas under the influence of riolet, indigo, or blue light, the process is quickened in a most extraordinary manner.

"The plants will grow most luxuriantly beneath glass of a blue character; but beneath the yellow and red glasses the natural process is entirely checked. Indeed, it will be found that at any period during the early life of a plant its growth may be checked by exposing it to the action of red or vellow light.

" It is with much satisfaction that I find the results to which I have arrived, corroberated by Dr. F. R. Horner of Hull."

Blue glass for hot beds could be very conveniently employed.

How to Have Good Peaches .- Indian Corn.

Much has been said and written about preserving the life and focundity of peach trees. From the great success attending the recent practice which has come under my observation, I am inclined to believe that keeping the ground under the trees clear from grass and weeds, and loose and incllow by continual working, with a judicious application of manure, will do more towards preserving the tree and improving the flavor of its fruit, than all the nostrums in the world.

It is said that the coffee tree can only be made pro-Stably fruitful, by adopting the above plan. A coffee planter would as soon allow his yard and planting patches to overrun with weeds as his coffee grounds.

I am much gratified to see of late a more lively interest in the better cultivation of that King of the vegitable kingdom, Indian corp. If it is true, that stalks alone, can be more profitably cultivated for sugar than sugar beets, as affording more sacherine matter, and requiring less outlay of capital and expense in the manufacturing process, then truly a happy new era has arrived in the rural economy of the north and west, which will give wealth and independence to the . great corn growing region of the great West.

The red blazed is the favorite variety of corn among the masterly corn growers of Oneida Co .- it has a small cob and large kernel. It is earlier than the Dutton, and grows larger in Seneca than in Oneida



OLD'S CORN PLANTER

Messas, Bariham &c. -- I have for about two years been engaged in getting up a machine, under the broad name of Corn Planter and Seed Sower; which has been seemed by letters Patent; and although mworded the Scott's Legacy Premium, (S20,) by the Franklin Insurance at Philadelphia, I was not satisfied that it had attained to its highest state of perfection. I have therefore, instead of introducing it to the pubhe at large, confined it to norrow hunts, and made it my untiring object by day and by night, by actual exper ment and deep study, to bring it to its greatest perfection. How far I have succeeded, the reports of the late Fair of the Stote Agricultural Secrety of New York, at Syracuse, and of the American Institute at New York, will satisfy the public mind, better than my own attestations.

The above cut is a representation of my double corn planter, which plants two rows at once, and makes the rows both ways, to be drawn by a horse. Similar letters refer to smiler patts—a represents the forward whee s, b the blank places on the hand wheels to show where the halls are, c the plough, d the coverer running with an angle of 45 degrees, replacing the earth thrown out by the plough, c the mitre gear of the aming with an algebraic part of the cops, with unoveable bottoms to increase or diminish the quantity of seed at pleasure, b the boxes communing the seed, it the tube to convey the seed to the plough, k the slide or gate to regulate

the depth of seed under the dropping wheel,

Thave also muchines for planting one row of corn, horse power, which may be arranged to drap the corn any distance apart, from a continued drill, to hills of five feet or more. It will also drop two or more kinds of seed in the same raw, at given points, and may be applied to dropping the fine manure in the hills with the seed. The same principle applies to the hand drills, for sowing or planting the seeds for the various root crops, &c. I have also a plan for sowing wheat in drills or broad cast, which will app y to all grains and grass seed, together with the line manures. I have appointed J. Scott & Co., 21 Contland street, New York, grass seed, toge her with the fine manures. I have appointed a verous con-agent to menularure and self the above described machines, where they can be seen at any time. All orders agent to menularure and self the above described machines, where they can be seen at any time. All orders agent to menularure and self the above described machines, will be promptly attended to. Those wishfrom any part of the United States, post paid, directed to them, will be promptly attended to. Those wishing to obtain machines for the coming spring, will do well to order them soon. I mend myself, Providence permitting, to travel through the western and southern states the fall and coming winter, to introduce the ab we articles where they may be wanted.

Elitors of agricultural papers generally, and all papers friendly to agricultural improvements, are invited to give the above such notice as they may think practicable. They will also confer a favor to the subscriber give the above such notice as they may think practicable. The production is testified as early continuing their quotations and remarks, directed to his testified as CALVIN OLI S.

Marlborough, 11.

Report of the Committee on Silk,

At the Pair of the N. Y. State Agricultural Society at Syracuse.

The committee on S.lk Culture have examined samples submitted for inspection by the following per-

THOMAS MELLEN, of the town and county of Madiaon:

1st. Four skeins of reeled silk, of different numpers of filaments to each thread, and led on different varieties of mulberry.

21. Several varieties of cocoons, fed on different varieties of the Morus multican'is, and made by different kinds of worms, as the Peanut, Sulphur, Orange, and Two Crop.

31 Λ fine, but small, sample of sewing silk.

4th. He showed a sample of the trees and leaves of a variety of Mulberry which he calls Morus Oregona, which he represents as possessing excellencies not to be found in any other; his cocoons were very fine, and his samples of silk showed an elegant lastre; his trees were very small, but their leaves large, and ta-ken all together were mentorious. However much the Committee may have been pleased with Mr. Mel-Ien's samples, they would have been more gratified had they been larger.

By Mr. Romins, of Brighton, Minroe county :

A small sample of sewing silk, manufactured very handsomely, dyed and put up with taste and success worthy of encouragement to all new beginners

By Mrs. MELORA SHOVE, of the town and county

of Oanndaga:

A large sample of sewing silk, successfully manufoctured, and that upon the common spinning wheel and reel, handsomely ske ned, after having been beantifully colored, and all this without instruction, evincing much perseverence and crowned with corresponding success.

By Mr. LEONARD, of Cartlinge, Jofferson county : 1st. A sample of beautiful fless from the pierced cocoons, together with samples of knitting yarn man-

utactured therefrom, a valuable article. 2d An elegant sample of reeled silk with a large sample of sewing silk, all handsomely manufactured in his own family, and upon the ordinary spinningwheel and reel-the sewing of beautiful and various tolors, a very successful experiment.

3d. Samples of Sulphur and Orange cocoons, fed on Multicaulis and were a fine size and firm. Leonard also exhibited a model of a feeding traine, c anbining much that is useful with some that is new. The ingenuity, perseverance and success of Mr. Leonard commends him to the approbatory notice of the Society, and a worthy example to all who may disposed to enter upon the salk culture.

By THOMAS GOODSLLE, of Utica, Oncida county: A specimen of outside floss, perfectly neat and clean, but not boiled out, in fine order for manulac

of mitta.

2d. A sample of floss from pierced eccours hoiled. free from gum, and drawn out in roping form and wound in balls without twist, and about the size of oranges, which he is instructed is the form and condition for the article to be marketed,

34. Very fine specimens of coroons in point of size and firmness, from the Orange, Sulphur, and Peanut

4th A sample of reeled silk, a worthy article for lustre, evenness and strength, wrought on the Piedmontese and Donnis' silk reels.

5th. A Multicrulis tree of the present year's growth (and not far from the average growth of his lot) nearly nine feet high, with leaves accompanying it. (although plucked from it.) measuring thritten by fourteen inches.

6.h. One bent of his Cabinet Feeding and Wand ing Frame, full size.

This Frame, in the opinion of the committee, pos sesses advantages which should recommend it to the attention and consideration of silk growers. It is a nest and compact stracture, occupying little room, requiring less labor in tending, and tendering greater facilities for winding, than most art.cles of this kind in use

By Mrs. DARIUS CARRER, of East Bloomfield, Ontario county.

1st. A sample of fair cocoons of the P anut variety. 2.1. A large sample of sewing silk, preny well man ufnetured, and very successfully dyed, exhibiting (as she informed us) seventy different chades of color

3d A very handsome piece or specimen of Black Fringe. 4th. One pair of ladies' stockings, black, and a pair

5th. One elegant reneule, I purce, 2 pair mitts, all of network, manufactured from yarn prepared from

6th. One piece of cloth, 1 apron, 2 handkerchiefs, together with yarn enough sheady colored to make 20 yards of cloth, all of which articles and yarn well prepared from floss, and is the work of her own hands; she informed the committee that her cocoons measured one hundred busie's; the manufacturing, all performed with household implements only. Enterprise, industry, and success like this, should not pass the committee nor the Society, unbeeded or unrewarded

By the Agent of the State Prison, at Auburn : A fine sample of sewing silk from convict's labor, which for uniformity and equality of filament, lustre of staple, brilliancy of colors and taste of putting up, would not discredit an Italian factory, and is to tie State of New York, an encouraging cornest of what we may expect with the advantage of a few years' experience.

The committee recommend that a premium be awarded to Mrs. D. Carter, of East Bioomfield, for samples of 100 skeins of sewing silk of 7-1 different shades, samples of fringe and silk prepared for weaving, I pair silk hose, 2 pair mitts, I purse, a piece of cloth from silk floss, a premium of \$20.

To Mrs. Melora Shove, Onondags, for 100 skeins of sewing silk, a premium of \$10.

To Mrs, Harvey Baldwin, Syrscuse, for specimens of Needle work, a prize.

New-York Agricultural Society. Annual Meeting, Jan. 18 and 19, 1842.

At a meeting of the Executive Committee, beld at Albany, on the 20th October, A. Walsh, Esq. of Lansingburg, in the chair, it was manimously resolved, that the Premium list for Field Crops Butter and Cheese, he enlarged and amended so as to read as

PREMIUMS ON BUTTER AND CHEESE.

For the Lest sample of Butter, not less than 100 pounds, \$30
For the second test, do do 20
For the second test, do do, 10
For the third best, do, do, 10
For the third prounds, 20
Lian 100 pounds, 20
For the second test, do do, 10
For the second test, do 10
For the second test the second test than 100
For the second test than 10
For the second test

The butter offered for premiums may be presented in tubs, jars or firkins. Each lot must be numbered but not marked, and any public or known mark must be completely concealed, nor must the competitors be present. In default of either of these requisitions the claimant will not be emitted to a premium.

The claumants for premiums on butter, must state in writing, the number of cows kept on his farm; his mode of keeping; the treatment of the cream and milk before churning; the mode of churning, winter and summer; the method of freeing the butter from the milk ; the quantity and kind of salt used ; whether saltpeter or any other substances have been employed ; the best time for churning and keeping butter in not weather; and the best mode of preserving it in and through the summer and winter, and in what ves-els.

Those who present cheese for the premiums offered, must state in writing the number of cows kept; whether the cheese is made from one, two or more milkings; whether any addition is made of cream: the quantity and kind of salt used; the quantity of tennet used and the mode of preparing it; the mode of pressure and the treatment of the cheese afterwards.

PREMIUMS FOR FIELD CROP

•	TREMIUMS FOR FIELD CROPS.	
	For the best here of Wheat,	'n
	For the second best,	0
	For the test acre of Barley	1.5
	For the second lest,	R
	For the best here of Rye,	ă
	For the second best,	Я
	For the best here of Oats, 1	5
	For the second best,	8
	Bes here of farhan (ora,	á
	For the second test,	Ð
	The hest agre of Potatues	
١,	For the second best,	8
ı	Best acre of Sugar Beets,	5
ij	For the second best	8
	Best here of Ruta Baga, 1	5
	for the second best	
	The best acre of Carrots	
ı	For the second best,	4
	For the best acre of Peas,	ä

Those who present claims to premiums for farm crops must state in writing the following particulars: the condition of the soil at the commencement of cultivation for the crop; the previous cultivation, praremiums.

fact and manure used upon it; the quantity of mature the present senson; the quantity of seed used; he time and manner of sowing, eleaning and harvestng the crop; the amount of the crop determined by ictual measurment; and the expense of cultivation. The land shall be measured by some sworn surveyor, and the claimant of the premium, with one other peron shall cerufy to the above particulars.

Applicants for the premiums on butter, cheese and arm crops, must make known their determination to Lt THER TUCKER, Albany, (if by letter, post pand,) on or before the first of January next, and the parcels deposited in such place in Albany as the Ex Committee may hereafter direct, on Tuesday morning the 18th I January, before ten o'clock, at which time the ommittee will proceed to examine the lot offered for

Hints for the Month.

Winter is now upon us-and the farmer must be igilent to secure what he has gained by the labor of ummer. Flocks and herds need close attention, or hey will soon lose much that has been gained by half vent's ente.

Animals thrive rapidly in warm weather-this ariving may be continued through winter, by creating rtificially the advantages of summer; for instance,

The green and succulent food of summer is imitat-I by feeding roots copiously;

The comfort of summer may in some degree be onferred by having good stables and other shelters; And other things may add materially to these, as ie frequent salting of food; the free use of good tter; and constant supply of pure fresh water:--

To fied an animal on dry food exclusively, would like feeding a man on dry Indian meal, which ould be rather hard:

To deprive it of shelter, would be like making a an sleep in the snow drift, which would be rather

And to deprive a man of drink and condiment, he ould think was rather short allowance. All would ive a tendency to thin off his flesh; and what would duce the flesh of a man, would tend to reduce the sh of an animal. A want of comfort is a waste of

Horses that have run to grass all the past season, ould not be kept on dry hay and grain; the danger disease, so common at this season, would be greatlessened, if they had a liberal supply of roots. They on learn to eat all kinds.

Be very careful not to waste fodder-have good cks and feeding troughs.

Chop up cornstalks finely for cattle; the body of the ilks, usually wasted, is the richest part. If Wm. ebb of Delawere, can make 1,000 lbs of sugar m an acre of cornstalks, after the leaves are stripd off, such rich and sugary fodder should not be rown away. Salt it and meal it, and they will soon

Straw, or coarse hay, sprinkled with brine, is readeaten by cattle, and the salt does them good.

Thresh your grain soon, before the rate eat it.

Repair broken tools, and procure new ones, of the ry best construction only.

Read the New Genesce Farmer for the past and esent year, make a memorandum of every thing irth practising, arrange these memoranda for every sek next season, and put them into actual operation each proper season arrives. Pursuing this course, Il make, in a few years, any man of decent common ase a first rate practical farmer. Try, if you have y doubt,-snd if you have not, try.

Don't forget to send your half-a dollar for the at volume of the Farmer, and ask your neighbor to

likewise.

Dry Feet.

Observing in the last New Genesee Farmer a pre-

importance, as well conducive to health as to comfort, I take the liberty of giving a better composition. It is in fact the same receipt, (which I found a year ago in another agricultural paper, but so much improved upon that I think it worthy of record.

The tar on (or rather in) the soles, I have used for a great number of years, and have found that it not only made my boots water proof, but nearly proof against wearing out. The recent is as follows, and

s to be used for the "uppers only.	
Nents-foot oil,	1 pint.
Breswax,	1 ounce.
Spirits Turpentine,	1 do.
Tar,	I do.
Burgundy Pitch,	1 do.

To be slowly melted together and well incorporated by stirring, taking care not to set the mass on fire, as the articles are all highly inflamable.

The boots being damp, the composition is to be spread on with a small brush, taking care to cover the seems well, and then allowed to dry. The application to be renewed until the leather is caturated.

The above is for the "upper leathers"-for the soles, tar alone is the best application, to be put on while hot, the boots also having been by the fire, so that the soles are quite warm. If there is no grease or other foreign matter on the soles, three or four, and sometimes more, coats will sink into the leather. It must also be used until the soles are completely satuinted.

Boots whether "new" or old, (provided they are sound) will, by the above, be rendered entirely water proof, and the leather not only retain its elasticity, but become soft and pliable, and less liable to crack, as well as much more durable.

Nor will there be the objection that there is to boots rendered water proof by Luings of gum elastic; for these being also air tight, the feet are kept, when exercised, in a constant state of perspiration, which is very uncomfortable as well as prejudicial to health.

The trouble of preparing boots after the above directions is very trifling, and any one once having tried it, and experienced the comfort of being all day in the snow and slush without having wet feet, will never fail to continue the use of it.

Cazenoria, Nov. 20, 1811.

[We borrow the following dialogue from the New England Farmer, but hope our readers will consider the sentiments our own, and addressed to them individually.]

Lend us a Hand.

Farmer A. Yes, Mr. Editor-I'm not very busy now-I'll give you a lift. Wi at do you want done. Editor -I want you, now that you have got your full work well done up, and can spare a little time, to write out an account of your process in reclaiming that meddew of yours, where you now cut 21 tons of English hay per acre.

Farmer A. I thought you asked for a hand-that I could have lent; but you seem to be calling for head work, and that's quite another affair; I don't know about that,

Editor. I want the hand at the pen.

Farmer A. At the pen that's where it don't work very well: it's too stiff for pen work-let it go to the shovel, or spade, or boe, and it feels at home, and will work well, and the head will work with it down in the ditch; but when you come to put the huge paw upon white paper, the head won't work right, and the fingers don't move right. I don't know, Mr. Editor, about my helping you.

Editor. Well, suppose none of you practical men write, how shall I make up such a paper as you want The facts which common farmers give to one another through the papers, are the most instructive and use ful part of our weekly sheet; and if you wont tell what you have done, and farmer B. won't tell what he has done-if all the others all the way down the alphabet won't tell-why then the editor can't furnish astion for "New Boots," and believing the protectall that you want-he can't furnish what you want

tion of the feet from dump and wet, a matter of much most. He can theorize and give advice, and extrac from other publications; but he can't get hold of the important facts, unless you—yes, you, and others like you, will "lend a hand" and a head too. Come. now, farmer A., give us a few lines, and set a good example.

Farmer A. Fact, Mr. Edstor, what you say takes he matter jst in that light nore. I want to know how neighber D. in sed his hunder'd bushels of corn to the acre; and how Mr. W. mised his 'leven hunder'd of taters. I'd like to have 'um write all about it; what kind o' land 't was—how ones they plow'd it, dung'd it, and work'd on't. Yes, I'd sartinly like it, dung'd it, and work'd on t. res, reserved, to know all about it. But as to my medder, Mr. Edgood crop of English liny where I did n't git nothing to speak on, and that poor stuff. I'd like to know how other folks work it, and if you run'ty think, Mr. Editor, that my writing would set them at it-why

then I'll try.

Editor. That's right, sir—that's right. farmers, send in your statements, without farther invitetion

Make Home Happy.

It is a duty devolving upon every member of a family to endeavor to make all belonging to it happy .-This may, with a very little pleasant exertion be done L t every one contribute something towards insproving the grounds belonging to their house. If the bouse is old and uncomfortable let each exert himself, to render it better and more pleasunt. If it is good and pleasant, let each strive still further to adorn it .--Let flowering shrubs and trees be planted, and vines an I woodbines be trailed around the windows and doors, add interesting volum s to the family library ; little articles of furniture to replace those which are fast wearing out; wast upon and anticipate each other's wants and ever have a pleasant smile for all and each.

Make home happy! Parents ought to teach this lesson in the nursery, and by the fire side; give it the weight of their precept and example. If they would ours would be a bappy and more virtuous country-Drunkenness, profunity, and other disgusting vices, would die away; they could not live in the influence of a lovely and refined home.

Dies any one think, "I am poor and have to work hard to get enough to sustain life and cannot find time to spend in making our old house more attractive." Think again ! is there not some time every day which Think again: is there not some time every any wind you spend in idleness, or smoking, or more listlessness, which might be spent about your homes?—
"Flowers are God's smiles," said Wilbertorce, and they are as beautiful beside the cottage as the palace, and may be enjoyed by the inhabitants of the one as well as the other. There are but few homes in our coun. try which might not be made more beautiful and attractive, not to strangers only, but to their immates -Let every one study then, and work, to make whatever place they may be in, so attractive that the hearts of the absent once may go back to it as the Dove did to the ark of Noah. - American Farmer.

It is not essential to the happy home that t' ere should be the luxury of the carpeted floor, the richly cushioned sofa, the soft shade of the astral lamps, These elegancies gild the apartments but they reach not the heart. It is neatness, order, and a cheerful heart which makes home that sweet pa adie it is so often found to be. There is joy, as real, as heartfelt, by the cottage fireside as in the most splendid saloons of wealth and refinement. What a lovely picture has Borns given us of the return of the cottager to his

home, after the labors of the day.

At length his lonely out appears in view.

Reneath the shelter of an age I tree,
The expectant wee things, toddling stagger through,
To meet their dad, with fluttering noise and glee.

His clean hearth stone, his thriftle wife's smile, The lisping infant prattling on his knee, Does all his werry carking cares beguil

And makes him quite forget his later and his toil.

The luxuries and elegancies of life are not to be de-They are to be received with gratitude to anised. Hon who has provided them for our enjoyment. But their possession does not ensure happiness. The soures of true joys are not so shallow. Some persons, like some reptiles, have the faculty of extracting poison from every thing that is beautiful and sweet; others, like the bee, will gather honey from sources in which we should think no sweet could be found. The cheerful heart, like the kaliedescope, causes most discordant materials to arrange themselves into harmony and beauty.

Talk little and say much.

On the Different Breeds of Cattle.

To the Editors of the New Genesee Tarmer.

Gent :-- At the present time there appears to be a great diversity of opinions in regard to the different kinds or breeds of cattle which are best calculated for the farmers of our Northern latitudes. What conclusion can a disinterested person arrive at, if he is governed by the different articles which are peaned on this subject? Were we governed by all that contend for the merea-ed value of the different varieties of neat stock, we might arrive at a safe determination upon this point, yet but few of our farmers are able, and if so, willing to go into the rearing of those breeds which stand in higher order than our native stock, as all enterprising men are willing to be governed by the experience of those persons or nations that have excelled in that kind of business which is accessary in a course of farming operations. If we place due credit to all that have written on this subject, and no doubt from a thorough conviction of the truth of their observations in this branch of business, we shall find that all, or nearly so, vary in their observations according as they are interested, consequently we farmers must be governed by those who have two or more of the different kinds, &c.: Devous, Darhums, and Herefords which seem to stand pre eminent amongst all distinguished breeders, both in England and the United Sates. Yet, in England, we find a variety of contheting opinions in regard to the above breeds as in the States, for instance-in Cultivator, Vol. 8tb, No. 1, page 13, we find a Mr. Price in England, challenging the Kingdom to produce as fine a stock of entile as those reared by him, which were pure Herefords. But on reading faither we find a Mr. Bates who was ready to meet him in his challenge by producing a stock of pare Durlinms; but sickness of the former gentleman was the cause of the failure in the testing between the exceedingly fine qualities of those two stocks, which would have been a great point decided if disinterestedly upon their true merits. Mr. Butes remarks that he thinks the very best Short Horns, which are only a few, are capable of improving all other stocks in the Kingdom, yet he says the common Darhams are inferior to the Devons, Herefords and others, which is caudid in him. It seems also, from the statement of Mr. Howard of Gainsville, Ohio, that in the year 1825, there were sent from England, as a present to the Mas-achusetts Agricultural Society a true Hereford Cow and Bull, from Sir Isaac Coffin, of the Royal Navy, which proved a great acquisition to the stock of that country, and were highly appreciated by the teamsters from their fine horns, stately gait, powerful draught and beautiful mahogany color, &c.

In the same article which will be found in Cul. Vol. 8, No. 1, page 19, he says-"I will here remark that I knew many and owned several of the progeny of the improved Short Horn Bull Admiral (which animal was also sent as a present by the same Mr. Coffin to the Massachusetts Agricultural Society) and I have no bestation in saying that for the ordinary uses to which cattle are applied in the Northern section of our country I considered the stock of the Hereford Bull alluded to decidedly preferable. ' Next we hear from a very intelligent rearer of stock, Mr. Herburn in Cul., Vol. 8, No. 2, page 33, in an article which says, "that an argument to prove that the Herefords are an aboriginal race is the largeness of the head and thickness of the neck when compared with the Devon cuttle:"-Further he states. " were it not for the white face, thick neck, and large head, it would not be easy at all times to distinguish a light Hereford from a heavy Devon," &c. &c. His ideas are quoted from Youatt. I would here remark, that by some the Herefords are considered a distinct

nce of cattle, by others a cross of the Devon, with some larger breed. From the best of sources of information, I should think that they were most certainly a cross of the Devons with most probably the Durhams. In support of this I would also refer the reader to an article wittee by Judge Buell, in Cul., Vol. 5, No. 1, unge S. headed " Select Breeds of Cattle." He also, in the same acticle quotes from a British author in high terms of a cross between the Holderness and Durham for the dairy, and ends in these words: " The Devous were introduced into Bakshire county some dozen years ago, by Col. Dwight, and at the last fair in that county we thought the working cattle surpassed any we had before seen, and we attribute their excellence in a great measure to the Devon blood which we saw strongly developed in some of the finest individuals. We unhesitatingly recommend a cross of the Devous up in our native cattle, as a certain means of improving both their working and fattening propertes." In the foregoing extracts which are only a few that might be cited from good anthority, what course is it proper to pursue in getting certain and correct information, so that in improving our stock we hall not be disappointed but what we have the best animals for the country and latitude in which we live? I am aware that it is impossible to have a breed of cows which will keep fat and give great quantities of

I would upon the whole, from the conflicting opinions and views of those who are interest d in rearing and selling their stock, that farmers who are wishing to improve their stock, (and I doubt not but what all ate,) that a course of inquiry be instituted from those gentlemen who have Bulls and stock to sell-setting forth by their own statements, and corroberated by the certificates of their neighbors, what has been the course pursued in feeding their improved stock, in comparison with their other stock, and the result accordingly. For instance, if a cow gives 25 quarts of milk per day on the same feed of another cow which gives only 20 quants, then state the different results I butter made from the milk of each which may easily be done by the Lactometer which is a tube of glass eraduated, which readily shows the percentum-as I presume all are aware that it is not the best cow in all cases which gives the most milk, as experiments go to show that in some cases the milk varies in goodness some 50 per cent, according to quality. In short, we want to arrive at the fact which breed of caule will produce the most not profit from the same feed--requiring each breed to stand the severity of the change alike. In conclusion I would ask of Mr. Sheffer which he considers me best breed of catde, the Dathem or the Devon ? as I see in the report of a visit of Rawson Harmon jr., of Wheatland, in the August number of the New Genesee Farmer that he has both kinds of Bulls on his farm .-- Also state which of these two breeds he considers best for the impority of farmers in Genesce county. State fully which will stand our cold winters best, fed us is the case of the extensive wheat grower in this county .-- Also which are the most profi able to raise for the eastern market, considering the keeping, Ac. By meawering these quesnons he will confer a favor on

Youts Truly,
Genesee Co., Nov. 11. A SUBSCRIBER.

On the Importance and Util to of the Dissemination of Knowledge Among Paimers.

Missis. Erricus.—I owe an mology to you, if not to your readers, for the delay in further considering the subject proposed in my first article, which perhaps was hardly worth the space it accupied in your or pyr, and still less the attention of your numerous eaders, though honored by an insertion.

I am aware that, in treating upon subjects about among farmers, that the business in which they which there has been much said and wratten, there is gaged, shuts them out from the enjoyment of adva

great danger of falling into old and beaten tracks, where nothing new can be introduced to attract the attention of the reader. If in the further remarks which I shall submit on the subject already introducted, I may be so fortunate as to present some considerations that will not have a "hackneyed" oppearance, I shall consider that neither my time, nor your space, will be ungreatibly occupied.

I propose to speak mainly of the importance of the dissemination of knowledge among farmers, as the greatest if not the only means of establishing a proper system of human economy in society, and as the surest method of procuring the greatest amount of so cial happiness. There would be but little to compen sate for the toil and exercise of the mind and body it procuring something beyond a competency of food and taiment, if the demands of nature did not also require every man to provide for certain social duties and ad vantages. The elements which compose the best re gulated and best organized society, experience teache us, may by comprehended under the head of virtu and wisdom. This idea may be at variance with th prevailing notions of the day, still it is acknowledge by the enudid and reflecting portions of community over whom custom as yet, has not had sufficient influ ence to make them mistake the time test of character It is a popular, and may be said to be a prevailing de lusion, to indge of the shadow instead of the substance of what in fact constitutes a character for worthy as sociation. The modern notion of refinement, has se up an arbitrary rule, by which external appearant and outward show, accompanied by certain set form of ceremony and etiquette, are made requisite qualif cations for such as with to mingle in what is calle notished society. Thus it frequently asppens, the the most worthy, are overlooked and neglected, from the fact, that the fashion of their dress, and their was of that grace wich constitutes an exquisite bow ;--the are called " archward fellows" because they have n learned to play the hypocrite in those absurd notion with which community has already been too muc fooled. The dignity which always graces a manrefined talents, a bright intellect and a well store mind, all, tending e-necially to qualify for social d ties, are now looked upon by the devotees of fashio as secondary considerations, and by too many wl pretend to take the lead in giving a direction to pu he opinion, as of little consequence. And it is to regretted, that wealth, power and education are mathe evil instruments to produce the advancement such a state of things, when, on the contrary th might be the means, and God who gives, grants them,! no other purpose, than as elements ministering in t establishment of sound punciples, which insure tr freedom of action, and the enjoyment of both bo and soul.

The occupation of a farmer is looked upon, by t class alluded to, as disqualifying him for the bitank they have assumed for themselves, while the d ernment and common sense of the man who tills t soil, forbels that he should desire such associations, envy their station, in preference to the peace a tranquility of his own. Properly considered, there no situation in life, in which a man may be place affording him greater advantages, than that of a fart er. This proposition needs only to be reflected upon. otder to become at once convinced that it is true. Whe in all the other occupations in which men are engag can there be found so much time for reflection, s where the mind is left free to form sound view without being contaminated by the evil association of such as are not permitted to enjoy the b'essings so favorable a retirement. It is a common eramong farmers, that the business in which they are:

es so abundantly secured to other men. What are mmonly called great advantages are by no means enred alone to any one class of society; indeed, there hat little worth seeking for, but what may be obned by all who are willing to make the effort. The en that a polished education is an indespensable re isite for the acquirement of knowledge, and that eat learning will only enable one to possess intellience, is not only erroncous, but a mischievious conption of the mind. For such as would arrogate to emselves the right of monopoly over the abundant reams which are pouring into the mind of every one, e lights of knowledge and intelligence, it is not surising to hear them advance such an idea. Upon the portance of education we cannot however place too gh an estimate, for the benefits which it has and ulnately must bestow upon mankind. But it is only acu education is used as a means of cularging the pacity of the mind and prepares an judy idual to fill me useful station in society, that the greatest good Il result from it. And on the contrary, if used as s instrument of producing those sickly plants, too quently sent forth from our schools of learning to play e for or the piano, it overloads society with a set of cless beings, that are a burthen upon it. From the ewledge of educated men Agriculture has not failed receive important aids, but not, when compared th other things of less importance, its due propor n of benefits. When considered a science, as it ily is, it is essy to conceive that the study of it aht profitably occupy the most polished mind, and rhaps there is not a science from which educated in, who strive to suply their knowledge to useful rposes, have derived greater pleasure, than from the idy of the principles which cause the earth to proce all the wealth of which individuals or even usns can boast. I venture to predict, that no one to has applied his telent, education, or experience, the examination of the most simple principles of shanday, but what has found an ample scope for the fitable employment of either. But while such as are gaged in what are termed "professional pursuits," a obliged to become acquainted with the ancient gnages, in order to be familiar with certain obscure ms and phrases, the farmer has no occasion to rch out any but the most simple terms to gain a! knowledge his most ardent desires may demand. the school of practice he has daily opportunity for ning knowledge, while at the same time, experire and practical observation, will enable him to nonstrate every principle connected with the busiis of his life, Comparatively but few engaged in it. sider how important is the calling of a farmand many bave settled down under the contion that chance or necessity has compelled them to a station, if an opportunity had offered, their choice uld not have dictated. From this, perhaps, more n any other cause, the but too prevalent idea has ginated, that this class of our fellow citizens are set wn as only worthy of the associations of the " seed class." What error has failed to do in fill ng minds of many with false notions, prejudice has failed to accomplish the whole work; and theree it is, that a more general dissemination of knowlge mny he considered necessary.

In my next it will be my purpose not to deal so ich as heretofore in general remniks, but shall enwor to confine myself to a more particular applica Yours, &c., n of the subject.

Bataria, Oct. 20th. 1841. C. P. T.

> For the New Genesca Farmer Annual Exhibition

the Massachusetts Horticultural Society-Horticulture in Monroe County, Sec. Sec.

it will doubtless be gratifying to the friends of Horalture throughout the country to hear something of

the late Annual Exhibition of the Ma-suchuseus Hor ticultural Society, held on 22d 23d and 24th of Sept.

From the report published in the October number of the Magazine of Horneulture, it may ears that the variety of Fruits was greater than any ever before exhibated in the United States, Mr. Manning, of Salem, the greatest promologist in America, sent one hundred and thirty kinds of Pears; Mr. Wilder, the President of the Society, fitty; Mr. Cushing, forty, and many other gendemen, thirty, twenty and ten each. A magnificent pyramid of Grapes, comprising twelve varieties on a base of Peaches, Nectarines and Plums was presented by Mr. Haracitson Guidener to J. P. Cushing, Esq. The exhibition of vegetables was also unusually good. Tile Dahlia show for surpassed any previous exhibition of this splendid flower by the Society, and the number of Pot plants, Cut flowers, Boquets, &c., was very great.

At the close of the exhibition the members celebrated the 13th anniversary by a dinner, after which several excellent addresses were delivered and appropri ate tonets and sentiments were given, -- of the latter we have selected the following, as our limited space will not admit of publishing all ;-

Agriculture and Horticulture-The first a nation's greatest wealth, the next, its greatest luxury.

The Cultivation of the Earth-It was the first not of civilization, is the basis of all other branches of industry and is the chief source of the prosperity and the wealth of antions.

The Primeral Employment of Man-To dress the garden and keep it.

Societies-" Fiscal corporations' Horticultural whose capital stock is a well cultivated Bank of Soil, whose Directors are producers, whose depositors get cent per cent for their investments, whose exchanges are pover below par, and which "operate per se over

The Massachusetts Horticultural Society - Its birth day opened a new era in the horticulture of New England.

The Rose-While we acknowledge her as Queen at the court of Plota, we are happy to recognize among our guests the distinguished representative" of that Queen, whose Kingdom have adopted in the Rose their Floral cublem.

Horticulture-The art which strews our naths with Roses-loads our tables with luxuries, and crowns our labors with the rich fruits of contentment and happi-

Woman-" A seedling sprung from Adam's sile, A most criestial shoot, Became of Paradise the pride, And bore a world of fruit."

We cannot but do injustice in this brief notice to the report, which occupies nine pages of the Magazine, and much remains yet to be published. This Society is one of the most useful and flourishing of the kind, in the country. But 13 years ego since it was organized; their meetings were at first held in a small room; and by steady and persevering efforts worths of all praise, they have gradually advanced so that now they occupy a spacious hall in Tremont Row, Beston It would be impossible to estimate the advantages which have resulted from their labors, not only to New England, but to the country at large. Mr. Walker. a prominent member of the Society, in speaking of this, remarked, "who can recount its acts and the benefits thereof to the community and after generations? Had I the eloquence of a Cicero, it might be exhausted on this subject."

We would strongly recommend this subject to the attention of Cultivators in our own favored district. In view of such results the friends of Horticulture should want no other inducement to associate them selves together for the purpose of promoting Horticaltural improvements. Every instance where prop r attention is bestowed to this branch of industry proves most entisfactorily that we possess the means, if we anly avail ourselves of them, to excel both in quantity and quality of our Horticultural productions. At the

" Mr. Gatten, the British Counsul an invi edge est.

are Agreedingal Fan for this county the exhibition of garden productions was execedingly limited, only don't half a dozen exhibitors of finit-two or three of lowers, and five or six of the more common sorts of vegetables. This, for the Horticuliural department of the Fair for the whole county of Monnee, will be admitted by all to be far from what it ought to be, and argues foreibly the necessity of making some movement that will excite more general interest on a sul . ject of such vast importance to the public,

From the Albany Cultivator.

The Short Horns as Milkers.

Messes, Garrone & Truker-In the June No. of the Cultivator there appeared an article, signed Lewis F. Allen, in which the opinion was advanced. hat the improved Short Horns were the stock best adapted for New England dames.

The ability with which this article is written, and the starce from which it comes, ensures it great weight with your renders. But as this opinion is contrary to that of most agriculturalists in this reighbothood, (the vicinity of Boston) I base been in hopes of seeing an answer to it in your paper by seine one more familiar with this subject than myself.

That the stock is the best suited to the rich pastures and ferrile lands of New-York and the Western states appears to be generally admitted. Are they equally well suited to the thin soils and scenty pastness of New-England ?

In the lear of saving too much for his favorites, Mr. A. has given them less praise in some respects than we should readily conced to them. He compares them with our average native cows; we are in the habit of comparing them with our good dairy cows, The quantity of milk given by the Short Horns no compared with our average native cows is greater than Mr. Allen asserts. The quality of the milk is considered by us generally as inferior to that of the common cows of the country. Much of it would not, I think, sell readily for mifk. This is contrary to Mr. A's experience with his Short Horns; and there are certainly among the grade cows) many exceptions to it here:

Witters are too apt to forget that the most imporant gursion, and what we really want to know ir, what stock or stocks will give us the best and chenpest milk, butter, cheese, and beef; and not whn: tock will give us the most per capiem. If it costs three times as much to raise and to keep an improve ed Short Horn in our climate and on our soil as one of the native breed, although it gives twice the butter and cheese and twice the beef, it may be a poor stock for na.

No one here I think would be inclined to secent the wager offered by Mr. Allen at the end of his communication; for we do not contend that ten or twenty cows, which should be a fair average of the breed of New-England, would give as much milk, butter and cheese as ten or twenty cows of a breed of nearly twice their size when both lots hid as much nutritive food as they coulde at. That, our cows seldem have all the year round,

Mr. A. refers to British publications to prove the reperiority of the Short Horns. Following his exsample, I will quote the British Husbandry and Low, as the best British authorities I know of on this sub-In British Husbandry, ch. 36, on milch cowe, it is sind, "the breed most in esteem with the London cow keepers who sell the milk without making butter or cheese, is of the old Yorkshire steck, or n cross beween the Tweeswater and Holderness, as producing he greatest quantity; for they are in that case soiled in the house, and of course provided with an abundonce of our gross brewers' groups, and succulent roots: but when grazed, they require very good instine, and are not generally considered to produce milk of a rich But the breed which of all others appears to e gaining ground throughout the United Kingdom for abundant produce upon ordinary pasture is the Avishire kylor.

David Low in his Elements of Practical Agricul-"by long attention to the characters that inure says. hente a disposition to yield milk, the breed of Ayrhire has become greatly more esteemed for the dury han other animals much superior to them in size and e deng qualities.

I hope to see this subject more thoroughly discussed n your journal by Mr Allen and others, who, like nim, speak forcibly what they sincerely believe.
A YOUNG FARMER.

Vicinity of Roston, Sept. 23, 1841.



ROCHESTER, DECEMBER, 1811.

Farewell -- Till Next Year.

We feel somewhat reluctant to throw aside our present subscription book, containing as it does the names of nearly twenty thousand of our esteemed friends!-But it can't be helped-and we hope to have the pleasure of recording them all again in a short time, with many more besides. We have got a larger and handsomer book for the next year, and all who wish the honor of having their names recorded in it, will sent US PIFTY CENTS!

Uncurrent Money.

Bills of solvent banks in Ohio, Indiana, Ken'ucky, Pennsylvania, Canada, &c., will be received at par in payment for this paper, if sent free of postage and no commission deducted. Michigan and Illinois bills cannot be received at present. Bills of the Buffalo (Safety Fund) banks will be received from subscribers in Michigan and Illinois. (Till further nauce.) Travelling Agents.

We do not find it necessary to employ travelling Agents for this paper; but C. F. CROSMAN, will act as such when travelling on his general business in the country. He will carry out Garden Seeds of his own raising and Corn Brooms and Brushes of his own manufacture.

The Editors.

Mr. Colman is expected at Rochester by the latter part of December-in time to superintend the next No. of the paper. The present editors will continue their ussistance, and the character of the work will not be materially changed.

It may be well to remind some of our readers that the articles which are found in this volume, marked thus, t are written by Divid Thomas, of Aurora, Caynga Co., and those marked thus, * are by his son John J. Thomas, of Mucedon, Wayne Co.

Henry Colman.

Much has been said in praise of HENRY CHMAN, by a tricultural papers of late, but as many of our realers probably do not see other papers of the kind, we deen it proper to give an extract or two by way of introlucing him to their acquaintance. As we do this WITHOUT HIS KNOWLEDGE OR CONSENT, no one can accuse him of egotism on account of it.

The first is from the Farmers Monthly Visitor, edited by Ex-Governor Hill, of New Hampshire.

"The Mussachusetts Agricultural Commissioner. There is no man in A nerica more ardent in the cause of Agricultural improvement than HERRY Conwho is under the employment of the Legislature of Missachusetts, and who visits different points in that Commonwealth with the view to inspirit the far mers and to present the results of his observations and labors to the public. For effecting his object, Mr. C dman travels in various directions among the yeomanry of the Commonw with, with his house and gig wagon and in almost as plain an attire as the workinen in the field. We have a few times seen Mr. Colman among the farmers at agricultural exhibitions and classiners; and the enthusias in he exhibits on each agricultural topic cannot fail to infuse itself into the most meensible farmer and arouse all his energies The conversational powers of Mr. C. me equal to those of the best man we ever met; his language flows like a stream of pure water; and like many gushing rivulets that ooze from the hills and fertalize the land below, so do his writings throw translucent light upon the subject he describes

The Commissioner will find but few equals in the art of describing the pleasures and the advantages of

a rural life, and of rescuing that occupation on which all other occupations depend, from the neglect in which indolence or lack of enterprise attempts to abscure it.

The next is from the (Baltimore) American Farmer, the oldest agricultural paper in the Union, edited by John S. Skinner, a veteran writer in the cause.

"HENRY COLMAN-We draw three lines un der this name, as we believe it is the printer's sign for do bonor to an eminently useful man; and we know of no one whose labors of utility are more wide-spread, or likely to be more enduring than 'THE COMMISSIONER FOR THE AGRICULTURAL SURVLY OF MASSACHUSETTS. There is originality, vigor of thought, and practical usefulness in his observations on the agricultural practices, and products, and capacities of his State, and bis suggestions for the further developement of its resources, that must a rike every one, at whatever distance, who, by any chance, sees what he is doing.

The following is from the (R. chester) American Cuizen, edited by Gen. Ww. L. CHAPLIN, who is personally acquainted with Mr. Coluis :

I am happy to announce to the farmers of Western New York, that Mr. Batcham has recently been able to secure the services of HENRY COLMAN, of Missachusetts, as a permanent Editor of the New Genesee He also becomes a joint proprietor in the Farmer. He also becomes a joint proprietor in the paper. Mr. Colman was for many years an eloquent and popular preacher. He is a well-trained scholarrichly turnished with information in the various departments of literature and science-a man of warm and generous impulses, and an accomplished gentleman. His pen is sprightly, nervous and instructive. Some years since, he became a practical farmer in one of the most delightful spots in the beautiful valley of the winding Connecticut in the upper part of Mussahuset's. From that time he has cherished agriculare as a profession, with the loving enthusiasm of the the Agricultural Commissioner of Massachusetts by the appointment of the Governor under an act of the Legislature; along with his keenness of observation. and his naturing zeal in the cause, he has enjoyed the amplest opportunities for acquiring and digesting a vast sore of every-day available knowledge. hazarding nothing in saying, that it would be difficult, f not appossible, to find a man in the country whose analytications are more happily adapted to give life and interest to an agricultural journal, than HI SEY Cot-

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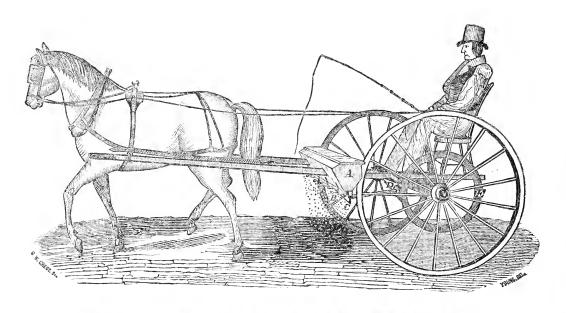
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The necessity of Mr. Colman's attending to complete the publication of his Fourth Report on the Agriculture of Massachusetts, and a multiplicity of cares and labors incident to a removal from one home to another distant home, prevent his doing but very little for this number of the N. G. Farmer. He will endeavor to atoue for present deficiencies hereafter. It is his expectation to take up his abole in Rochester about the 20th of January ensuing, if a kin1 Providence permits; and there at that time he requests his friends to address him.

EDITORIAL ADDRESS.

Few men who have had much experience of life venture upon any new enterprise without an oppressive and embarrassing feeling of the uncertainty of success. The young may be confident; the old know how many reasons there are for being wary and distrustful-of themselves as well as others. It is not always easy to satisfy one's self; it is often difficult to satisfy others; and what is best to be done and how it is best to do it, the most sanguine are often at a loss to determine. But it will not on that account do for us to hesitate to act; or to stand like the traveller on the rivers bank, who determined not to cross until the waters had all flown by. We must art; and in attempting to do the best we can, we may at least satisfy our own conscience, if we satisfy no one else.

I have now this struggle to go through with in undertaking the editorial department of the New Genesee Farmer; and I do not know how otherwise to determine it than as above. I promise my best services. I will do what I can to render this paper instructive and uscful, agreeable and entertaining; serviceable to agricul-

tural improvement; conducive to the diffusion of wholesome knowledge; and the promotion of sound morals.

Lenter upon the undertaking with an unfeigned diffidence, but at the same time with great pleasure. My mind has been many years occupied with agricultural inquiries and my heart has been long and deeply interested in the improvement of the farming art and the farmers themselves. My habits through life have called me to mingle with them constantly. There is no rural or agricultural labor with which I have not been familiar. My enthusiasm in the cause of agricultural improvement has never in the slightest measure flagged or abated. I know no more reasonable or useful object to which I can devote the power of doing any thing for my fellow man which Heaven has given me. With these sentiments I enter upon a new field of enterprize and labor; and I shall be happy to do what I can to enrich and adorn it, and to render it more and more pro-

I have often thought, indeed I think every day of my life, what a curious process this writing and printing is; and I never receive a letter but I look upon it as a kind of standing miracle. When Capt. Smith was threatened with death by the Indians in Virginia, he was released by the interposition of Pocahontas upon a condition that he would give a certain amount of arms or ammunition for his ransom. To obtain these he must communicate with his friends. In order to do this he wrote a few lines upon a leaf torn from his pocket book and having sent this by a messenger to his friends, the ransom was immediately paid. The Indians looked at this proceeding with unutterable astonishment. What indeed can be more astonishing than that by a few scratches, a few black marks, a few mystic characters, we can communicate with each other as effectually as if we grasped each others hands or looked in each others eyes; that we can tell our thoughts, feelings, purposes, history, with certainty and precision, though those with whom we communicate may be hundreds and thousands of miles removed from us, though mountains may raise their inaccessible summits, and oceans spread their unfathonable depths between us; that we can live indeed after we are dead; achieve as it were an immortality on earth; and transmit that which shall materially affect men's condition, their subsistence, conduct, virtue and happiness, far on the line of time, with generations yet unborn, who never knew us nor ever heard our names.

But it is not merely the wonder workings of this wonderful invention that impress us; but there is connected with it a moral responsibility that is most serious. Whoever wields a pen wields a powerful instrument for evil or for good, indeed in many cases far more powerful than the sword of the victorious hero, leading on his thousands to conquest. The martial victory may be soon forgotten; the blood-stained field be cleansed; and the field covered with the dead and dying become again verdant and waving with the beautiful products of the husbandman. But what is written is written, and cannot be taken back. It must remain to work its effects as much in the end as the beginning; and how long and to what extent no human down.

sagacity can predict or even imagine. It is said to the singular praise of one that he never wrote a line, which "dying he would wish to blot." This is a most covetable culogy, and happy, thrice happy shall I be if I can but approach so high an henor.

The New Genesee Farmer has two objects; to improve the soil and to improve the man. To illustrate the best modes of culture by precept, by example, and by experiment; to treat of plants and products, soils and manures; of the influences of light and heat and rain and dew and frost; of farm stock, farm buildings and implements, and every thing connected with husbandry and domestic economy. This will be its first object. The second will be to treat of all such useful knowledge and inventions in the mechanical departments as will be particularly interesting to farmers, the tillers of the earth, and persons dwelling in the country and interested in rural pursuits. The third will be to treat of markets and trade and commerce, and all facts and laws bearing upon these subjects as far as they concern that particular class in the community to whom the paper is mainly addressed. The fourth object is the moral improvement of the young and of the rural population generally; and if possible to render the profession of agriculture attractive and respectable. As we claim for it to be the most important of all pursuits, vitally affecting every condition in society, so we wish to see it not exalted above any other respectable profession in the community, but not degraded and disdained as it has too often been; and taking its proper rank with the first and best.

These are the general objects and views by which I shall govern myself in the conduct of this paper. I shall not now enter into details. The New Genesee Farmer has not now character to establish. By the ability and intelligence with which it has been conducted it has already obtained a wide circulation and has been held in high esteem. I am happy to say that I am not to be deserted by those, who have hitherto served in its ranks. I shall do what I can therefore to maintain its character and to extend its usefulness. . Besides the co-operation of those, who have hitherto contributed to its columns, I am promised other and most valuable aid, from some of the best minds in the country; and from such co-operation in a cause so important we may anticipate the best results. I have many more things to say in relation to these matters; but I will not extend my editorial at this time; and these matters will come in in various forms and on other occasions.

It has always been common in the clerical profession to preach on the Sunday after their ordination on the duties of a minister. A very shrewd friend and one of the best of men said to me that he took care after his settlement not to do this, lest he should come short of his promises, (as who in an untried case does not) his people might not forget to remind him of what he promised. Perhaps it would have been wise in me on taking my seat in this editorial chair to have said nothing; but having said what I have, I shall after this avowal have, in a due regard for my word, very strong motives to act upon the principles, which I have laid HENRY COLMAN.

IMPROVED STOCK. Ayrshire, Durham and Native.

Lewis F. Allen, Esq., of Buffalo, in an elaborate article in the Albany Cultivator of May or June last, which I have not at hand, was pleased to attack some remarks which I had made on the subject of Dairy Stock at one of the Agricultural Meetings held in Boston the last winter. Many of my friends said on reading the piece, "You will answer Mr. Allen, certainly?" But I said no l I am not about to take off my coat and turn up my sleeves and go to fisticuffs with an old friend. I grant that the letter appeared very civil, and had several gentle passages in it; but these fine touches reminded me of the remark of a Frenchman in relation to another person in a case somewhat similar. "Ah! bien; he von ver civil man; he make von, two, tree bow; he say, perlez yous, monsieur, and (crossing his fingers over the back of his neck) then he cut you off behind." saw the drift of the letter. My friend Allen's coffee was not sweetened that morning, and he determined to challenge me to single combat. He began by putting me in the opposition. But I am not opposed to him in this matter; I never have been; I am not the enemy or undervaluer of the Improved Durham Short Horns, but I say only that we want the proof that they are the best milking or Dairy Stock among us; and that they are the stock best adapted to the New England pastures and the habits of our New England farmers. Mr. Allen's statement that Mr. Powell had a Short Horn Cow which had made 22 lbs. of butter per week, is, I apprehend, a mistake, as no such case has been given to the public by Mr. Powell within my knowledge, and he probably refers to the cow Belina, of which I have given an account in the subjoined notes. Now I have only to add that I am a peaceable man, and do not accept my friend Allen's challenge; but I have gone to work quietly to collect all the facts on the subject, which I could find; and laying them honestly before the farmers, they, as good men and true, will I have no doubt render an honest verdict. Now gontlemen ! stand together and barken to your H. C. evidence.

(From Mr. Colman's Fourth Report on the Agriculture of Massachusetts, now in press.)

Dairy Stock.

Middlesex county, though very poorly suited to grazing, and, on account of the high prices of all cattle feed, not at all adapted to the raising of stock, bas yet several individuals of intelligence and public spirit

engaged in this patriotic object.

Some years since, (about 1830,) a number of gentlemen associated for the purpose of establishing a atock farm, and purchased in Charlestown a valuable property for this object. "It was proposed to establish a stock farm in the vicinity of Boston, devoted to the important objects of breeding and rearing the best breed of horses, neat cattle, sheep and swine; the receiving and selling on commission all kinds of live stock; and combining also with these the business of agriculture and horticulture, upon the most approved and economical system. This farm consisted of 222 acres, was made up of a variety of soils, and was well adapted to the purposes either of summer or winter feeding of animals, yielding a great quantity both of English and salt hay." Samuel Jaques, a man well experienced and of excellent judgment in these matters, took the farm with this view; and has succeeded, by judicious selection and crossing, in rearing a milking stock of extraordinary valuable properties for the dairy. Of this stock I gave a full account in my Second Report, and, as far as appears, there is no reason to withdraw the commendation there bestowed on them. Their cheese properties have not been tested; nor have I been able to ascertain the quantity of milk afforded by them in any given time; but the quality of their milk for butter is not surpassed by any animals which have come under my observation. There can be no doubt that cheese from their milk would correspond to its superior quality. Mr. Jaques informs me that they still maintain their excellent character in this respect. My only regret is that I have not been able to induce bim to make such continued experiments of their yield in milk or butter, for a week,

or month, or three montes, as would warrant me in speaking with more confidence. Without may personal reference whatever, I may be allowed to say that in my opinion, intelligent farmers, who have valuable animals, owe it to the agricultural con munity to make such trials as will fully test their distinguishing propetties. All conjecture and guess work in this case ought to be utterly rejected. The trial of a day or ought to be utterly rejected. The time of a day of week is a small matter, and will geldbon warrant any confident conclusions. In the case of a valuable cover race of cowa, the age and confident of the cow should be stated, her beed and pediagree, her feed and treatment, with the utmost particularity; the times of milking, and the amount yielded for one, or two, or three months, in pounds and in cubic measure; the actual amount of butter or cheese produced in the time, and the quantity of milk and of cream required to make a pound of latter or of cheese. There may be some trouble in making these observations and experiments, but the satisfaction of this exact knowledge is an ample compensation for any trouble which it might co t. I am compelled to say, that in respect to most of the statements which men make in regard to their stock, unless they are founded upon some such exact measurements and observations continued for a length of time, no reliance can be placed upon them.

Another breed of cows has been introduced into the country, from which great improvements in the dairy have been anticipated. These are the Ayrshire, the most celebrated dairy stock of Scotland. sachusetts Agricultural Society, with that eminent liberality and single desire to advance the agricultural interests of the community which have always marked all the proceedings of their board, imported an Ayrshire bull and three cows. The gentleman empowered to select them was well qualified for that object, and took particular pains to carry the patriotic designs of

the society into effect.

The buil has been placed successively in different counties of the State, and the cows distributed with different individuals, P. C. Backe, of Medford; Elias Phinney, of Lexington, and Damel Webster of Marsh-

John P. Cushing, of Watertown, whose public spirit and regard for the agricultural interests of the ountry have been displayed in the management of his farm, in the importation of some of the best annuals from algord, and the gratnitons distribution of then progeny among the farmers with a view to improve their stock, has likewise imported some of the finest animals, which skill and money could select, of the

Ayrehire stock.

It does not he in my way to go into a history of this stock in this place. They are generally agreed to be the best darry stock in England. They are reputed quantities of milk and produce large to yield large amounts of cheese and butter; besides keeping themselves in good condition and being easily made ready for the butcher. The cows are eminently beautiful. In size, however, and symmetry, they are decidedly inferior to the improved Durham short hours; but there is good reason to think them a hardier race of animals.

From some of the gentlemen to whose care the s city's summals were committed, I have been unable obtain as full information as is desirable. Mr. Webster's foremen, in his absence, informed me that the cow was quite superior as a milker. Mr. Brooks says. " My rows give about the same quantity each, but I cannot boast of their doing like many which I have heard of. My Avishires do not, I think, give more than thirteen or fourteen quarts at best, and the milk no richer than others with the same feed. It is, however, a valuable tare in our State, as doing well in our common pastures and not running to fat like They are very gentle.

Mr. Phoney, in a recent letter, thus writes :- " 1 have given the Ayrshue stock a pretty fair trial, considering my limited means, -chough however to sat isfy me of their valuable dury properties, and of the respacity for enduring the cold writers and short keep of the northerly part of the country. In the month of June, 1840, I selected from twenty cows my best na tive cow, for the purpose of making a trial with my Avrshire cow as to the quantity of butter each would make. My old pastures, for I had then done little to

improve them, afforded but a very short bite of grass. These two cows ran with my other stock, and had no other food then what they could get in these dry pas-The quantity of milk from the Avrshire was not greater than that from my native cow; but the Ayr-

shire made nine and three-quarter pounds of butter in

a week, while the native cow in the same time male

but eight and a half pounds; besides, the quality of

than that from my other cow. The trial was made with great care, and the correctness of the result may be relied on. The Ayislate cow has been kept with my other stock and inted no better than the rest; still she appears in better thrilt than any of my other cows, and endures the cold of winter quite as well. She bas given me three fine calves; the first a bull, which I now have, a very fine animal; the second I sent into the county of Il-sex, and is owned by Mr. Marland of Andover, and at the cattle show in that county in 1840, the first premium, offered by the State Society on bulls was awarded to him. The third is a hiefer, now little more than a year old, and is a beautiful creature. Upon the whole, from the little experience I have had, I cannot doubt that the Ayishne, for its dairy proporties, is greatly superior to the Durham for this part of our country

'Mr. Cushing has been kind enough to favor me with an exact account of the produce of four Ayishire cows on his from for the times therein specified, which

1. Memoranda of Milk given by imported Ayrshire

	com Hora, for one year, 1807.	
om	17th of May to Ist of June,	608 lbs.
6.6	1st of June to 1st o: July.	1192 "
66	1st of July to 1st of August,	1064 "
4 6	1st of August to 1st of September,	5-HL **
4.6	1st of September to 1st of October,	718 "
66	1st of October to 1st of November,	489 **
66	1st of November to 1st of December,	409 **
	1st of December to 1st of January,	432 "
4.4	1st of January to 1st of February,	412 "
6.6	Let of Pelmany to 1st of March,	388 4
4.4	1st of March to 1st of April,	484 "
	1st of April to 1st of May,	419 **
	1st to the 20th of May,	242 "

7728 lbs. At 10 lbs. per gallon, 772 gallons.

2. Memoranda of Milk given by imported Ayrshire cow Juno, for one year, 1237. From May 23d to June 1st, 243 lbs.

June 1st to July 1st, 796 '' 845 " July 1st to August 1st, 600 " August 1st to September 1st, 475 " September 1st to October 1st, 313 " October 1st to November 1st, 340 '' November 1st to December 1st. 394 '' December 1st to January 1st, 101 January 1st to February 1st, 326 " February 1st to March 1st, March 1st to April 1st,

328 " 216 '' April 1st to May 1st, 30 " May 1st to 7th,

5307 lbs.

At 10 lbs. per gallon, 530 gallons.

3. Memoranda of Milli given by imported Ayrshire com Venus, from Jane 20th to May 21st.

283 lbs. From 20th June to 1st July, 805 1st July to 1st August, 693 " 1st August to 1st September, 567 " 1st September to 1st October, 498 " 1st October to 1st November, 319 " Let November to 1st December, 403 '' 1st December to 1st January, 406 '' let January to 1st February, 351 " 1st February to 1st March, 1st March to 1st April, 368 319 " 1st April to 1st May, 151 '' 1st May to 21st,

5163 lbs.

At 10 lbs. per gallon, 516 gallons.

4. Memoranda of Milk given by imported Ayrshire cow Cord, from Nov. 17th to May 21st.

388 lbs. November 17th to December 1st,

834 15 cember 1st to January 1st, 846 " January 1st to February 1st, 776" February 1st to March 1st, 704 '' 670 '' March 1st to April 1st, April 1st to May 1st, 405 "

" May 1st to 21st,

4623 lbs.

The mode in which these cows are fed is as follows: Our Ayrshire cows, during the winter, have half a bushel of sugar beets or potatoes; with the former, about a pint of rye meal mixed with the cut beets; but when they have potatoes, the meal is omitted .--With the above, they have as much English hay as but eight and a half pounds; locaides, the quality of they can cat. In the aummer they have nothing but the butter from the Ayrshire eve was decidedly better what they get in the pasture. They are driven, more

At 10 lbs. per gallon, 462 gallons.

ning and night, from the pasture to the barn to be milked, and after that operation are driven again to the pasture.

In addition to these statements, I am favored with an account of the produce of an Ayishire cow imported

and owned by George Randsil, of New Bedford. His letter to me is as follows, ditted Sept. 9, 1841; "My through-bred full-blooded Ayrshire cow Swinley, was imported by me from Sentiand in 1839. She was six years old in May last. She calved on the 31st of last March. She was milked regularly three days previous to dropping her calf; and had drawn from her in the time from 45 to 50 quarts. Commeneed setting her milk for butter on the 1st day of April. The calf was not allowed to touch a tent, was fed on new milk for nine days, and after that time on skimmed milk. In all April, the quantity made from her was 43 lbs. 6 oz. The quantity in May was 42 lbs. 4 oz. In this month her milk decreased. Quantity in June was 44 lbs. 7 oz. In July and August, her milk was not kept separate from that of other cows. Weighed her milk [for one day, H. C.] on the 7th of April; it weighed 43 lbs. 9 oz. On the 2d of September commenced weighing her milk; in four days it has averaged 25 lbs. S oz. and has made in four days just five lbs. of butter. My pasture through the season has been very poor and short, owing to the dry weather and having too much stock for the quantity of pasture * From the time this cow was turned to grass until this day, (9th Sept.) she has had by measure two quarts of Indian meal per day regularly.

The Ayrshire bull belonging to the Society has been kept in Berkshire, Hampshire, and Worcester counties; and a hir opportunity will soon be had of testing the qualnics of his stock. One of the best fariners in Berkshire county, speaks to me of their promising extremely well. In my opinion, the only certain test of the dairy properties of a cow is in the milk pail and the chura.

Of the Improved Ducham Short Horn race, we have undoubtedly had some of the best animals ever bro't into the country, both with high pristocratic pedigree, and without pedigree, of uncertain and plebian origin. In some parts of the country, large expenditures have been incurred in the importation of this stock; and Admiral Coffin, of the British Navy, in grateful remembrance of the land of his nativity, presented to the Massachusetts Society several fine animals of undoubted pedigree of the improved Durham short horn race, which were some time kept for the improvement of the breed. In addition to these, we have had a valuable bull imported by a merchant of Boston, understood to be the sire of Mr. Jaques's cream-pot breed; and the superior bull "Bolivar," imported by John Hare Powell, of Pennsylvania, from J. Whitaker's stock in England, celebrated for its extraordingry dairy properties. This bull was the finest animal of the kind which I have ever seen. A full-blooded short horn bull (Dentou) was likewise imported into Worcester county, whose progeny has been highly esteemed. Several other animals of the same breed have been imported and kept in the State; and their blood has been considerably defined throughout the country.

In point of size according to their age, in respect to symmetry and perfection of form, these animals are in my opinion not surpassed, indeed not equalled, by any which have come under my observation. The Herefords are extremely beautiful; in neatness and fineness of form perhaps superior to the improved Short Horns. The Devons likewise, though considerably amaller in size, yield, in compactness of shape, in quick aess of movement and muscular strength, and in softness of hair and beauty of coloring, to no other race known among us. They are the prevalent ince of our country; and in an extraordinary instance, when I had the singular pleasure of seeing three hun dred yoke of these cattle-that is, all more or less of this breed-in one team, in Connecticut, I could not resist the conclusion that a finer team, of the same number of cattle, could not be found in the whole country. Yet I am ready to admit that I have seen some lew yokes of oxen of mixed blood, of the Improved Durham, as fine in appearance, and in reputa-

tion as good animals f r work, as any that I have mot with ; and some individual animals of the limitaved Duriant Short Horns, both pure and half blood, bulls, oxen, and cows, when all points have been considence surpassed any thing which I have seen. have approached as nearly to what I imagine the perfection of form in this race of animals as is to be looked for. With good keeping, they come early to maturity, and attain a large weight. The batchers, however, whom I have consulted, give it as their opinion, that they do not tallow so well, in proportion to their size, as our own smaller cattle. In my observation, no animals degenerate sooner under neglect and poor keeping; and they require extraordinary feed and the most careful attendance to keep up their character and

The progeny of Bolivar, from some of our best untive cows, according to the testimony of a farmer who probably has had many more of his stock than any other man among us, have not proved remarkable for milk or butter; to use his own expression, "they are, upon the whole, above mediocrity." The progeny of Coelebs has been quite various; in some cases very good, in others inferior. Mr. Jaques is of opinion that the excellence of his cream-pot breed is principally to be ascribed to a cross with Colebs, but on what rational grounds it is difficult for me to discover. Their benutiful color is certainly derived from the is the richness of their milk, and this being precisely the quality for which the dam, the Haskins cow, was distinguished above all others, and it not appearing that any stock of Coelebs but when connected with this cow has ever been remarkable for this quality, it would not seem difficult to determine on which side of the house this excellence belonged,

So much sensibility exists in reference to this subject, the dairy properties of the Improved Short Horns, and so much of private interest and speculation is now mingling itself in the judgments which are formed or the opinions given in the case, that, if it is not difficult to speak with calainess and sobriety, it may be unreasonable to expect to be beard with candor and impartiality. My husiness is however with facts; and having no prejudices of which I am conscious to warp my own views, I shall, as fairly as I can, state those facts which have come generally within my own observation, and leave the conclusions to the honest judgment of my readers. I have already touched on this subject in my First and Second Reports, and the render will not have a full view of the case, as intended here to be presented, without a reference to them. As to what these cows are stated to have done abroad. t would lead me too far to trest much of that here .-When a bull will bring at a public sale one thousand guineas, cows more than four hundred guineas each, and beifer calves over one bundred guiness spiece, we may infer that guineas are more abundant than It would not be an unreasonable suspicion that a fever of the same type which prevailed to so alarming a degree among us in 1835-6, &c., and known here as the multicaulis ferer, may have infused itself into the veins of some of the bidders and competitors on these occasions.

It may be premised that a very large number of these naimals have been brought to this country, and those of the highest character, both as to pedigree and attested merits, since persons of the greatest skill have been commissioned to make the purchases, without any estriction as to cost or expense of transportation. As early as 1825 fifty-six of these animals, all of them of high blood, had been exhibited at the cattle shows in Pennsylvania, and before and since that time large in Pennsylvania, and perore and since share since importations have been made into Maryland, New Yell Obje Connecticut, and Massachusetts.* I have seen large numbers of these cattle, and have to regret that I have not been able, after repeated private and public solicitations, to obtain more exact and authentic accounts of their products. From this backwardness on the part of the owners and importers I think there is reason to infer that some disappointment in respect to their dairy properties has been experienced. My belief is, that our expectations in this matter were too highly excited; and that qualities, for which some extraordinary nuimals among them were remarkable, I mean particularly the quality and yield of milk, were erroneously deemed invariable characteristics of the race. In a former report I quoted the opinion of a distinguished Scotch farmer, Mr. Shirreff, and the authority of a private letter from a competent judge in England. Shirreff pronounces them, in an off-hand way, "the worst milking breed in Britain" private letter stated "that this breed of stock has not

*One hundred and fifty of Improved Short Horns and grade cattle were exhibited at the Fair of the American Institute in New York, October, 1841. been hold of late years in great estimation for milking. Short Horns are only calculated for the best and most powerful land; on poor soils they will do nothing." To these I now add the remarks of Geo. W. Feather-

stonhaugh, in a letter to Mr. Powell, of Pennsylvania. Mr. Featherstonhaugh, from his acquaintance with the farming interests both in this country and abroad, will be deemed a competent judge. He says "the property of being very deep unlkers, therefore, is to be considered accidental, rather than one which can be continued with any certainty in the breed. Take one short horn with another, no breed is more valuable for its milk, or keeps in better condition under the same circumstances; or goes to hed at less expense; or furnishes more money and manure* in a given time. In order to keep up these great qualities, wo must remember that, in their native country, it is considered indispensable to keep them extremely well, and in a very different manner from the general custom prevailing here; which is, in summer, to leave cattle to help themselves to what they can find, even in the most severe droughts; and, in winter, to give them a moderate quantity of buy and straw. In England, where they are less troubled with dry weather than we are, they have always green crops and roots to give them, and they give them in abundance. It is there considered that the higher this sort of keep the better the health of the cow, the richer her milk, the stronger her calf, and the greater the quantity and value of her dung. If all this provident attention be necessary in that moist climate, it is certain that the breed will degenerate with us, if it is not kept in high condition. Hot climates produce shallow milkers; and where exceptions occur, they get poor very fast when indifferently kept, and it becomes more expensive to recover their condition than to keep it up .--The wear and tear of condition in deep milkers is very great, and is only to be checked by abundance of succulent food and roots; or, when these are not to be

had, by occasional feeds of meal with their hay. These remarks are so well founded and so much to the purpose, that I have given them at large That this highly improved race of animals is of all others best suited to our climate, soil, mode of husbandry, and general condition, is a question I shall now pass over; but on the subject of the milking or dairy properties, I will give the most exact returns of which I have been able to avail myself, and shall subjoin an account of what we call native cows, that any one may compare them at his pleasure.

It may be said that the native cows to which I refer are all select animals. I admit that they are remarkable animals; some of them very extraordinary; but in respect to the large majority of them, I have met with them accidentally; and I can find in the State hundreds and hundreds equal to them, if any justice were done to their keeping. But the truth is, that in general, nothing can be more negligent and mean than the manner in which a large portion of our cows are

On the other hand, it will not be denied that the Short Horns to which I refer, are selected and highly fed animals. It seems not a little remarkable among the many hundreds which have been brought to and produced in the country, if extraordinary deiry properties are the characteristic of the breed, as many of their advocates maintain, and when there is such an extreme eagerness to establish this point, that more of these distinguished examples should not have been

given to the public.

Let us look, however, at the facts in the case, and make up our judgment accordingly. In all matters of inquiry or debate, or object should be truth, not triumph.

1. An improved Durham short born cow (Belins,) imported by John Hare Powell, of Pennaylvania, produced in three days 8 lbs. and 13 oz. of butter, which would be at the rate of 201 lbs. per week. The cow was fed with slop of Indian meal, clover and orchard grass. She has yielded repeatedly by measurement, and so far as can be ascertained by the bucket, twentyaix quarta within twenty-four hours. One quart of her cream produced one pound five ounces and one quarter of an ounce of butter. In one case two minutes, in another case only three seconds, were required to convert the cream into butter.

The butter trial was certainly a short one, and it is to be regretted that it had not been longer continued.

^{*} When such farmers as Messrs. Phinney and Randall say, When such farmers as Messrs. Phinney and Randall say, as does the former, "that his pastures sinfurled but a very short his of grass, and that these two best cows ran with his other stock and had no other food than what they could get in these dry pastures," and the latter, that his pasture, the pastures is a superfect of the pastures of the pas conscience for presenting such an evil example to their brother farmers, who are looking to them as fuglemen. This is certainly not the way they treat their other friends; nor are they at all suspected, from appearances, of subjecting the course of the control of the control of the course of the the course in New England would not be an imprisubject of presentment by a grand jury.

^{*} This 'furnishing more manure in a given time' is rather an equivocal recommendation! It has once happened to me to know a case where the sale of the manure at a livery stato know a case where the sact of the mainter at a trivery so, the more than paid for the cost of the hot given to the horses; and the litter was farmished gratuitously by the purchaser to the stable-keeper. I will save the reputation of the farmars in this case; the manure and litter were wanted for a pai-ticular use in the arts. This was certainly a novel and coticular use in the arts. This was ee nomical application of horse-power.

The quantity of milk was very great, though we are left at a loss whether it were wine or beer measure. If it were beer measure, one fifth is to be deducted to bring it to wine measure. The measurement of milk in the bucket is always a very uncertain measurement. This cow was a most extraordinary animal, and it were to be wished that we had returns from others of Mr. Powell's fine stock, and some particular inform-

ation of the progeny of this cow.

2. The celebrated cow Blossom, an improved Durham short horn cow, owned by Mr Canby, in Delaware, is stated to have given in 1840, in one week, 2471 quarts of milk, or more than 35 quarts per dayfrom which were made 131 pounds well worked butter. This summer, (1841,) two months after calving, she gave in one week 2531 quarts, or 36 quarts per day, which yielded 171 lbs. of superior butter. the 13th of July, fourth mouth after calving, the following is a record of one day's milking :-Morning, 12½ qu'rts; noon, 11½ do; evening, 11 do. =35 qts. She gave 16 quarts per day up to the time of estying. The measure is understood to be wine measure. is one of the largest products on record. In the first case it seems to have required 18 44-53 quarts to make one pound of butter; in the latter case, 14 48-69 qts. This is a large amount. For the difference in the two cases it is not easy to account. The mode of her keeping is not stated with any explicitness. The owner of the cow is not known to me, either in person or by reputation.

3. My next account is from Paoli Lathrop, of South Hadley, in this State, a larmer distinguished for his intelligence and success, and on whose statements, made on his own knowledge or observation, entire reliance may be placed. I give an extract of a letter, which I have recently received from him :-

"We have now twemy-five head, which are thorough bred improved Short Horns, without the least mixture of other blood, and are, beyond question, as pure blood as can be produced. These animals generally possess great weight, and are periect in symme try. At two and a half years old the heifers will average about 1200 lbs., and I have raised one bull call which weighed 1020 lbs. the day he was a year old. Our stock has been fed upon grass and hay only, with the exception of a small quantity of roots in the winter months. One of our cows is sixteen and two others fourteen years old, and they now exhibit the appearance, so far as constitution is concerned, of being young animals, which I think is conclusive evidence of this race of animals being well adapted to our cold climate.

"They mature early and take on fat easily, and, in these respects have a decisive advantage over our native stock. To test an experiment between a native and a short horn, I took a cow of each of about the same age, dried them from milk at the same time, tied them side by side at the same manger, and fed them both exactly alike on hay only through the winter .--The result was, that the Durham, in the spring, had gained flesh and was in high condition, while the na-

tive was in only ordinary condition.*

"Their product, in both butter and milk, is much better than I have ever been able to obtain from native cows with the same keep. We have one cow which made more than 12 pounds well worked butter per week in April last, and I have repeatedly converted the cream of this cow into butter in fifteen seconds .---She gave in June last, upon grass alone, 360 lbs. milk in a week, having been milked but twice a day, and she averaged 51 lbs. per day for two months. have another cow which gave 48 lbs. milk per day through the month of June; and we have still another (now quite old,) which a former owner has asured me has given 28 quarts of milk per day. We have two ers, with their first calves, which averaged 35 and 37 lbs. milk a day, through the month of June.

"I have tested the quantity of cream obtained from given quantities of milk from the above cows, and find it to be I1 to I1 inch from 10 inches of milk. There are some persons who deceive themselves, and doubtless others who are guilty of deception knowing it to be such, in representing mixed blood Short Horns as ne such, in representing mixed blood Short Froms as 'full blood,' 'pure Durham,' 'thorough bred,' &c. Now it is not sufficient that an animal is called 'full blood,' or guessed to be; the breeder of this race of animals, who understands himself, will require evidence of the fact, and such evidence as cannot be called in question."

4. Of the Short Horned cow Annabella, presented to the Massachusetts Agricultural Society by Admiral Coffin, E. H. Derby states, "that he has a perfect recollection of weighing her milk repeatedly in June,

when she had no other feed than what she obtained from the pasture; the milk, morning and mght, weighed 45 lbs. At the same time, we weighed the milk of a very fine native cow with the same keep. which gave 33 pounds. The grentest objection to them in my opinion, is, that they incline to go dry longer than our native stock.

I cannot agree with Mr. Derby in thinking the go. ing diy a long time a constitutional feature in this stock. This circumstance depends not upon the stock but upon their treatment and keep; est equally their

treatment with their first calf.

5. A short been cow, imported by F. Rotch, as I understood, then I believe of New Bedford, and owned by C. N. Bement, of Albany, a farmer well and deservedly known to the agricultural community, was one of the most beautiful and promising animals of the kind that I have ever seen; her pedigree undoubted and carried up to the highest sources. At my request, Mr. Bement tried her capacities for butter, and in our week in September obtained 6 lbs.

6. A cow, owned by George Johnson of Lynn, of whose pedigree, after much inquiry, I can learn noth ing, but whose genuineness as an improved Short Horn I have no doubt, it not of full blood yet very high bred, has produced this season, from 12th March to 12th September, (six months,) 7100 lbs. of nulk, averaging 15 beer quarts of null, her day for that time. She is now (November, 1541,) giving at the rate of nine quarts per day. Her need is now one bushel of mangel wurtzell and half a peck of wheat shorts per day, with what hay she will eat. butter properties of this cow have not been ascertained, as her milk is sold daily by the quart. She is a superior animal, both in appearance and product.

7. Wm. K. Townsend, of East Haven, Connecticut, had eighteen cows of the Durham Short Horns, full-blooded or in part, which were kept for supplying milk to the city of New Haven. These, in milk, gave a daily average of 110 quarts, besides the milk and butter used in the family. It will be at once perceived how indefinite this account is, though given by the intelligent committee of the New Haven Agricultural Society. We are at a loss to know how many cows were in milk at a time, whether all or a part only, and how much butter and milk were used in the family. The family, it is said in another place, was large.

I have had the pleasure of seeing this remarkably beautiful stock. Their appearance was in the highest degree favorable to their character and keeping. average return of milk, as above, was 6 2 9 quarts per day, exclusive of the required quantity.

- 8. I subjoin an extract of a letter from one of the the most intelligent and public spirited farmers in New England, Henry Wintney, of New Haven, giving sn account of his Improved Short Horn stock .--Perfect reliance may be placed on it, and it will be read with much interest. Mr. Whitney's personal improvements in agriculture and gardening, has liberal expenditures in his importations, with a view to improve our live stock, and the intelligent and efficient sid which he is rendering to the great cause of an improved husbandry, entitle him to the grateful respect of the agricultural community. Many men are like the spindles in a factory, which make a great deal of buzzing and racket, yat perform a very humble part. Mr. Whitney, without noise or ostentation, moves with the force of a power wheel. He turns the spindles, while the little things, with their heads always erect, imagine that they fly round of their own accord. Though we would give honor to whom honor is due, it is not worth while to undeceive them. form their part well, and their operation is essential. The Connecticut sgricultural loom is now turning out many a beautiful and substantial fabric.
- "I have never kept an accurate account of the milk given, for any particular length of time. generally have been allowed to suck until three or our months old, after which it was given to them from the pail until 8 or 9 months had expired.
- "I have imported four cows, all of which were carefully selected in England, and at high prices .-They have all produced one or more calvea since I have owned them, and with one exception they have been dropped in winter. Strawberry, the cow you saw at Northampton, calved in July 1840. I have carefully measured the milk from each soon after calving, and they have averaged from 22 to 29 quarts per Betsey, the first cow I imported, gave in January 1839, soon after calving, 29 quarta, and 1 months afterwards, she was giving 20 quarts. Her milk was only of a fair quality. She continued to milk very

ing the bull, when she again increased, and afterwards duminished to 16 quarts.

"My second cow, Volct, gave, after calving, 24 quarts of very rich milk, and continued to milk deepv for three or four sounths, when the quantity was

diminished to 10 or 12 quarts per day.

"My third cow, Strawberry, gave by measurement 223 quarts of milk on the grass she could clip from my short pastures. Her milk was very rich and yield. ed a large amount of butter, though I cannot say accurately how much, as it (the milk) was not all bro't to the house, and a har proportion was used for ordensay pulposes in the family. Mr Lathrop, on whose farm, at Hadley, she remained four or five weeks. wrote to me on her return as follows :-- I must speak in the highest terms of S inwherry for a uniker, and butter cow. As for size and shape, she speaks for herself.' She is without doubt, n very superior cow. She was nt Hadley in October, 1240.

"My fourth cow, Ringlet, calved about n year since, producing twin heilers. Son was milked turee or four times, giving from 10 to 12 quarts each milking, when she tell sick with the milk fever and was two or three weeks before she recovered. her illness she brused one of her tests so badly, that she has lost the use of it. This cow is undoubtedly the best milch cow I have; but as the calves have sucked her until within a very short period, I cannot give any particulars. She is now five months in calf ; her twins are one year old, and she gives now from three teats 8 quarts per day. You will please understand that I measured the amount with care, full beer measure, purposely for my own gratification and without giving any extra feed for the purpose of increasing

the milk.

" My cows were fed in winter on cut straw with earn or oil meal mixed-say half a peck of corn meal to 4 bushels of finely cut straw and about 2 quarts oil meal added. About a bushel was given to each cow once a day, and 3 pecks of turnips or ruta bagas twice n day to each, besides a little hay. This was my feed when they were in the greatest flow of milk. In summer they are out at pasture, and when it is short, corn stalks and other green feed are given to them.--On our dry soil, however, it is difficult for the Durhams to thrive when the summer droughts commence. They suffer, too, much from the heat and from the stings of thes, which almost set them erazy. They stand our winters fully as well as our common cattle, and put on flesh very rapidly at that scason, if well

"My calves, at a year old, weigh from 70 to 1050 lbs. ; and I feel confident that a thorough bred Durham steer can be made to weigh as much at three or tour years old, as a common steer at five or six. Thera are certainly objections to the breed where pasturage is short and a full supply of hay is not given. They are greater consumers than the common cattle of that country, but they are of much greater size, and, as said before, mature much earlier. My cows are mostly nerd-book animals, thorough bred. I enclose you the pedigrees in full, of Strawberry, Ringlet, and Violet,

as requested.'

9. Cow. Levi Lincoln, Worcester, 1825. from Denton on a superior native cow. "This cow has often given from 24 to 27 quarts of milk per day of excellent quality, yielding a large proportion of cream. The least quantity of milk given by her in any one day during the summer drought, on grass-teed only, was 13 quarts." [Mr. Lincoln states to me

hat this was beer measure.]

For the dairy and the stall, he speaks with the utmost confidence of the pre-eminence of Denton's stock. One of his 3 year old heifers (a half or three fourths blood) gives from 16 to 20 quarts of the richest milk by the day since calving; the other a little less, from the circumstance of having been in milk continually for more than a year; but her milk is in ao degree inferior in quality. The last sesson she gave eleven quarts at a milking, with grass only, and this not unfrequently.

Mr. Lincoln likewise atotes to me, that on putting six of our hest native steers, purchased from Vermont. and six others of the mixed blood of Denton into tha same open yard in the fall, and keeping them through the winter at the same manger, on the same feed, and in the same exposure, the growth and condition of the mixed bloods in the spring were greatly superior to those of the native stock.

10. Cow. Dolly. George Hood, Lynn. "Dolly had her first calf in April, 1833, before she was two years old. In the following June she gave 14 quarts per day, measured a number of days in succession, and made 10 lbs. and 2 oz. of butter per week. She calved in October, 1839, and from the 15th of that month only of a fair quanty. See commission of the first per calf, ed in October, 1839, and from the following largely until within a few weeks of slipping her calf, ed in October, 1839, and from the following largely until within a few weeks of slipping her calf, ed in October, 1839, and from the following largely and the first per calf, ed in October, 1839, and from the following largely and follo

^{*} To have made the trial exact, the two cows should have been weighed at the beginning and end of the experiment. Theri food likewise, should have been weighed at least for a portion of the time.

gave 565 quarts measured out, averaging over 18 quarts per day in the coldest winter month, and three months after she calved. Some days in that month she gave 20h quarts per day. She calved again in December, 1840, and from the 17th December, 1840, to July 14th, 1841, (212 days.) she gave 3004 quarts milk, being 14-1-6 quarts per day for seven months, which was sold for \$165,67. Her milk is rich and makes delicious butter.

"She is fed on three pecks of sugar beets and carrots per day, with good hay, and in the coldest weathr a bucket of warm water with a quart of shorts in it. Dolly is remarkable for transmitting her milking Dony is remarkable for transmitting her minking qualities to her offspring. Three of her calves have been reused here, and they are all great milkers. One of them, called the Countess, gave last winter 14 qus. per day for some months after she calved, being four ears old. I have a heafer from her, 15 months old and a bull 11 months old from Dolly, both sired by Wyceomet from Mr. Wells's stock. They are fine her day for some months meet sine various bands of the ears old. I have a heater from her, 15 months old, and a bull 11 months old from Dolly, both sired by Wesenmet from Mr. Wells's stock. They are fine mimals, and I expect to get a good stock from them. "Dolly's color is light red, with a few white spots. She has the fine mellow skin, beautiful proportions, nd ninjestic mien, peculiar to the noble race from

vhence she sprung."

11. Cow. D. N. Breed, Lynn, 1841. This cow supposed to be one-tourth of the Durham blood -ne subjuned is given as her product :

1839. April 15. I bought a cow 6 years old that

15 days in April I took from the cow more than the alf received, 90 qts milk. May 31, 31 days, average 14 qts pr day, 434 une 30, 30 " " 16 " " 480 une 30, 30 " 13 · 6 4 403 uly 31, 31 " 4.6 ug. 31, 31 " 66 44 64 372 44 11 6.6 44 330 ep. 30, 30 et. 31, 31 66 10 6.6 44 200 4.6 10 " 300 ov. 30, 31 979 ec. 31, 31 0 nn. 31, 31 '· eb. 28, 28 '' 9 66 279 196 larch 15, 15 days, 30

3,503 qts milk,

12 months; cow calved April 10, 1840. (Continued next month.)

The Colonial Farmer.

evoted to the Agricultural Interests of Nova Scotia, New Brunswick and Prince Edward's Island. Vol. 1., Nos. 1 to 5, November, 1841.

We are glad to welcome this new recruit to our aks. We care nothing for geographical or political es where the great interest of the common brotherod of mankind is concerned; and that interest is an proved Husbandry. One of the king's of England shed to see the time when every one of his subjects en the meanest and humblest, should have when he ased, a roast fowl smoaking upon his board. So ould we as far as possible multiply the products of earth, and extend their full enjoyment to every n that labors for them. We rejoice therefore in ery effort wherever and however made, to make the th more productive, so that plenty and comfort may ery where prevail; and then we should desire such eform in the political institutions of all countries, it they who by their sweat and toil produce the ad should be first served; and that all those politicontrivances should be abolished by which bread so often intercepted in its way to the laborers mouth. d he is left to starve in the midst of abundance.

Nova Scotia has great agricultural resources. John jung, a few years since, in 1819-20, in his letters der the assumed title of Agricola, pointed these out the Nova Scotians in an admirable manner; and bused a spirit of improvement, whose vitality and acity are attested by this publication, and by the esdishment of the Dartmouth Agricultural Society. the head of which they have placed a zealous and elligent advocate of agricultural improvement, our pected friend John E. Fairbanks.

Agricola showed that the agricultural resources of the production of the finest of wheat and the best of common, every-day dress

day, which sold for \$180. In January, 1840, she stock; and that she had at her very door, in her gypsum and fime, the most sure elements of success. The redeemed salt marshes on the shores of the Bay of Fundy, converted by drainage and dyking into most productice mowing and arable lands, have long been celebrated as among the finest triumphs of agricultural skill. Potatoes likewise must always be a great crop in the productions of this country. Their cool and moist summers and their calcarcous soil are peculiarly favorable to this plant; and we award to the Nova Scotian potatoes the palm of excellence above all others, which we have eaten. We have cheerfully paid a dollar a bushel for these "white blue noses" in preference to buying our own at twenty-five cents. The directions given in the 5th number of the Colonial Farmer respecting the cultivation of potatoes, have somewhat amused us, where it is advised to have salmon lines stretched across the field, in order to make the rows straight, &c. &c. This is a little too much in the kid-glove style of agriculture. A good Scotch ploughman, of which we know there is no want in Nova Scotia, would with his plough open a furrow for the planting in a tenth part of the time, as straight as any fishing line could be drawn even with a spermaceti whale at one end of it.

The paper is well got up. It is filled principally with selected matter, which is well chosen. We, though liable to the same charge, object strongly to the size of the type, as quite too small and crowded Much of a farmer's reading must be done in the evening. He will be repulsed, when the type used is so small as to try his eyes severely. We are of opinion that in our anxiety to give our readers the worth of their money, we crowd a great deal too much matter into our periodicals. It is very much like filling a liquid measure to overflowing for the sake of showing that we are not mean, where all that runs over and of course is spilled, impoverishes ourselves without bencfitting our customers.

"The Orchardists' Companion."

The three published numbers of this splendid work have been received. It is quarterly, and each number contains twelve colored lithographic plates, and more than twice that number of pages of letter press. The editor and proprietor is A. Hoffy, 41 Chesnut street, Philadelphia.

The figures of the fruits, as paintings, are the finest that I have seen in any work of the kind. But as accurate representations of individual varieties, they are deficient, especially with regard to coloring. As this part of the work is doubtless committed to other hands, it should receive the more careful supervision of the editor, or every copy may differ from the original, and from other copies. Except this care is taken, engravings will lose in correctness all they gain in splender, by coloring. Some old acquaintances represented in the work, I should hardly have recognized, as for instance, the Washington plum, Prince's Yellow Harvest, and the Early York peach; while others, as the Peach Apricot, and Black Tartarian cherry, are admirably executed in every point of view. But other copies may vary. All the fruits are represented with the branch and leaves, and are drawn with much taste. But the reader must not expect to see equal taste in the written part of the work, which however contains many valuable remarks, which are accampanied with some excellent original communications.

To represent fruit in such a manner as to assist in identifying the varieties, such only for copying should be selected, as are a fair avrage of fine specimens; and not, as in the present instance, the very finest that could be found. This may be one reason why some old well known fruits appear so differently from what wa Scotia were abundant; that her soil was adapted we are accustomed to see, when they are only in their

But with all its inaccuries, the work is a noble effort in the cause of American Horticulture, and no amateur should be without it. Its cheapness, considering its style of execution, is worthy of commendation. The best edition, each number containing twelve colored thtes, is seven dollars a year. *The secondary edition, each number containing only three colored plate, but otherwise identical with the best, is three dollars a year. The first furnishes the plates for about fourteen, the latter for twenty-five cents, each, and the letter press

New-York State Agricultural Society.

The annual meeting of the New-York State Agricultural Society will be held at the Lecture Room of the Young Men's Association, in the Exchange, in the city of Albany, on Wednesday, the 19th of January, 1812, at 10 o'clock, A. M. The annual Address, by the President of the Society, JUEL B. NOTT, Esq., will be delivered in the Assembly Chamber of the Capitol, on the evening of the same day.

On the day preceeding the annual meeting, (Jan. 18,) the Exhibition of Butter and Checse, together with samples of Field Crops, will be held in room No. 10, second floor of the Exchange, at which place must be deposited, before 9 o'clock, A. M., all percels offered for premiums, together with the statements required by the regulations heretofore published; and at 10 o'clock. A. M., the several viewing committees will commence the performance of their duties. The following are the conmittees:

On Butter-Alex. Walsh and G. B. Richards of Rensselaer, Robert Denniston of Orange, M. D. Burnett of Onondaga, and J. M. Sherwood of Cayuga.

On Cherse-C. N. Bement and E. R. Satterlee of Albany, John Caldwell of Orange, Benj. P. Johnson of Oneida, and Samuel Perry of New York.

On Wheat, Rue, and Barley-Anthony Van Bergen of Greene, Rawson Harmon, jr. of Monrue, Orville Hungerford of Jefferson, William Parsons of Niagara, and William A. S. North, of Schenectada.

On Indian Corn, Oats, and Pous-Henry D. Grove and Henry Holmes of Washington, Howell Gardner of Saratoga, Pomeroy Jones of Oneida, and Joseph Hastings of Rensselaer.

On Root Crops-J. P. Beekman of Columbia, Franris Rotch of Otsego, G. V. Sacket of Seneca, John Sanford of Onondaga, and L. B. Langworthy of Monroe

The above named committees are requested to meet at the office of the Recording Secretary, (Cultivator office,) at 9 o'clock; A. M., on the 18th, at which time the Executive Committee will proceed to fill any vacancies which may occur.

LUTHER TUCKER, Rec. Sec'y.

Tr Editors throughout the state are requested to publish the above.

The American Almanac and Repository of Useful Knowledge, for the year 1842.

Boston; published by David H. Williams. New-York; Collins, Keese, and Company,

It would be difficult to name a more useful book than this. It contains all the usual astronomical calculations in any Almanac, together with a great amount of other most valuable information of a statistical, political and general character, in relation to this country and the world. This number, the 13th, and the third of the New Series, contains the Agricultural returns obtained by the Marshalls in taking the last census. They cannot be relied upon as very accurate; but as being as near an approach to accuracy as can be expected. No man of intelligence, who is in the world and means to remain so ought to be without this book on their tables. As to those who choose to live as the bears pass their winters, we have nothing Three Experiments in Wheat Growing.

Mr. Colman-When I commenced farming, some five or six years ago, having been previously engaged in mercantile and manufacturing operations, I was told by an esteemed friend, who was a thorough practical farmer, that if I intended to grow wheat successfully. I must in all cases plough my land THREE TIMES in summer fallowing; for said he, "if you plough once, you will have 10 bushels, if twice, 20 bushels, and if three timez 30 bushels per acre; this may not be the exact ratio, but it is near enough for a general rule." Well sir, I commenced in this way and had fair crops, and set down my friends advice as my golden rule. -my bed of Procustes, and 1 sawed of the legs and extremeties of all other plans, until they fitted my theory. My land was a rather light soil, and I used clover and plaster freely; turned in the clover when in full blossom, and gave it two after ploughings.

My neighbor, whose land was of the same description as mine, and who practised the rotation of clover and plaster, used an entire different process; he took off from his field a clip of grass for hay, or sometimes pastused it till about haying time, when he let it grow till about the last of August or first of September; then he gives it a shallow perfect ploughing with a good green sward plough, turning every thing carefully under, and usually rolls it down; within a few days after, and sometimes immediately, drags it once and then sows his wheat

I was quite determined that his crop should not be as good as mine, but what was my astonishment, when I observed, that from its germination to its ripening, it was as good or better than my thrice plonghed crop, and finally resulted in a greater yield per acre. I then gave it up, as I found others were successfully following the same course.

A little reasoning on the subject rendered the RATIONALE of the process quite apparent, especially on clean clover lays, free from all foul grasses. The young plant has the benefit of the first and entire decomposition of the rich, succulent herbage which was ploughed under; while in the other process of turning over and over, and consequent exposure to the sun, rains, and atmosphere, has its volatile parts more or less exhaled and lost.

Well sir, "thinks I to myself," my rule is intallible as to meadow and pastore lands, which contain June grass, red top, and other foul grasses, there can be no gainsaying that doctrine; but alsa for the infallibility of general rules and specifics, and for the mutability of preconceived opinions. An acquaintance of mine is making good crops with once ploughing upon the worst kind of foul grass green sward the country produces, and with considerable less labor than the three ploughing process is enabled to do.

He commences at the usual time for summer fallowing in June, and turns over his land in a good and husband-like manner, and not in the helter skelter, hit-or-miss manner in which too much of our ploughing is done, by being run over as if you was riding a steeple chase; but carefully and entirely turning every green thing fairly under. It is then left until he finds that the grasses begin to show life through the furrows. when it immediately gets a thorough harrowing, and so on, from two to four times, till the period of sowing, according to the dryness or wetness of the season, and the situation of the land; the surface is left in fine smooth order for mowing, free from those unsightly and troublesome lumps of undecomposed sods; and as far as my observation has gone, the grasses were as well got under as nine tenths of the lands fallowed by the old process, and is performed with much less labor; for with a good 30 tooth hinge drag, a team will go over from 6 to 8 times as much land in a day as they can plough.

Now sir, in these days of tribulation for farmers, from the depreciation of real estate and low prices of

the produce of the farm, "when we can't get a dollar a day for labor, and it is State Prison for stealing," it behoves us to look about our own interests, and it we crn't get rid of our old habits of expenditures, which high notions and high prices have saddled us with, we should at least try if we cannot get our usual quantum of produce with less expenses and once ploughing, will give as good or better return than the thrice ploughing process, let those who dare depart from the old beaten track, try it.

Greece, Monroe Co., N. Y.

P. S. In your next paper 1 propose to give your readers my three experiments upon roising potators, and some of my notions about sorts, soils; productiveness, and their elementary value as a crop compared with the other roots.

For the New Genesee Farmer, Ploughing Matches.

Mr. Epiron-As ploughing matches are now considered an essential part of our Agricultural Fairs and are usually mentioned as that part which excites the most interest, it becomes a matter of interesting inquiry, why they excite so much attention, and whether they may not be improved so as to be still more useful and interesting? I have sometimes felt at a loss as to the cause of the intense interest with which thousands look upon a few teams ploughing, when that is the ordinary every day business of the farmer, and teams may be seen engaged in it almost from one year's end to another. An equal number engaged in the ordinary ploughing of the farm would scarcely arrest the attention of the traveller, and would perhaps only elicit a single remark, although greater skill were exhibited in the performance, and teams and ploughs better adapted to the work. It is evident that it is not the rarity of the show, nor the beauty or appearance of the teams or ploughs, for these are generally quite ordinary in appearance. Nor can it be in the work to be done; for the ground is usually the most unsuitable for ploughing which can any where be found. The work is beyond the capacity of the team-the plough is not adjusted to the soil, no opportunity being given for regulating the depth and width of furrow which an experienced ploughman is careful to do, and which requires some three or four houts to adjust aright. The teams are frightened by the throng which surround them-the ploughman is excited and nervous by being the object of so much observation and remark. The word is given and off he goes at the top of his speed, his plough bounding from right to left and making more balks the first time through than he would make at home in a week. Generally the team which is most accustomed to noise and bustle, and the plough which is adapted to no work in particular, comes out first and wins the day.

As to the the performance, the judges are saved all trouble of an opinion upon it, as the stamping of thousands of loafers obliterate all distinction of furrows.

The contest is over, the premiums paid, and who is the wiser for it: teams are over driven, the land is rather injured than benefited; no information is gained as to easy draft of ploughs, the ability to lay over a furrow or give it the requisite slope, width and depth.

No man is the wiser or better, except those who get the premiums, and they often pay dearly for their money by the harm done their teams. And yet multitudes go away highly pleased with the ploughing match and think it the most interesting part of the exhibition. Would they not be as well pleased had these teams been hitched to logs and drawn, to see which could draw the heaviest log with the greatest speed? And would they not be almost as much enlightened in the science of ploughing?

It seems to me that were our Agricultural Societies

to give this subject a little attention, our ploughing matches might be greatly improved. As in every other art, the watchword must be onward. But these matches are now managed just as they were twenty years ago. If we have made no improvement in using ploughs in twenty years, we have greatly improved the instrument. We have not now the same obstacles to contend with that we had then. Our farms are in a good measure cleared of roots, stump, and stones. Therefore it ceases to be a recommendation of a ploughman, that he is skillful in dogging stumps-we require something more. What constitutes good ploughing? Verily, that the soil be equally broken to a uniform depth. This evidently cannot be done except the furrows be straight. For it crooked furrows there is an inequality in the width and of course some parts are more pulverized than others. Let, then, our agricultural societies require these three things in ploughing, viz: that the furrow. be straight, and of uniform depth and width. And would suggest that the field be selected beforehand and that a competent committee determine what the depth and width shall be, by an examination of th soil, and let these be published as the rules of th match. If the field be in good condition for plough ing, and the crop that is to follow admit, I woul name five inches for the depth and eight for the width and let the premium be awarded to the man wh shall the most accurately comply with these require ments. Let ample time be given that the ploughma may go deliberately at his work, and I am greatl mistaken if these matches do not tend greatly to the improvement of ploughing in all its variations, ar be equally interesting with those whose principal requirement is speed. Yours, &c.

MYRON ADAMS.

East Bloomfield, Dec. 21, 1841.

For the New Genesee Farmer

The State Fair and Western Cattle.

Mes-as, Entrops—I observe that Western Ne.

York receives severe consures for not being better re-

resented at the State Fair at Syracuse, but I thin when all the circumstances are considered, it will seen that much of this censure is not deserved.

It is a fact that the farmers of Western New Yo are more in debt than those of the Eastern portice and when the times are as hard as at present it can

are more in debt than those of the Eastern portic and when the times are as hard as at present, it conot be expected that they can afford to spend as mutime and money as would be necessary to take anim to that Fair. Let us, before we go further, see whwould be the probable expense of taking one anirthere, with an attendant, say from Batavia:—

Fare by Rail-Road to Rochester, 3.00

Expenses of man and beast in Rochester, 1.25

Fare to Syracuse on Boat and feed, 7.00

Fapenses in Syracuse 2 or 3 days, say

Returning to Batavia, 11,35

\$27,50. Thus it will be seen that the expenses for one as mal would be as much as the price obtained for 11 pounds of pork or beet. In this estimate no allowar is made for the time or services of the man who companies the animal, which would swell the amo to at least ten dollars more—making no inconside ble sum, if it has to be made by raising pork or b

I have no doubt but that Western New York of compete with any other pertion of the State in proding fine animals: and I for one should have gone that Fair and taken some stock without calculatexpenses, had I found others in this county willing do the same; but I did not like to be the only resentative for old Genesee.

If the farmers of this region had an opportunlike those of the East, for transporting their cattle Syracuse free of expense. I have no doubt but t

would remark that the liberality of the managers of the Rail Road from Albany to Syracuse cannot be fully appreciated by the formers of this state, and yet I am fully convinced that it was in the end redound to the advantage of the company, as will every thing which former, for breakfast or support, second for come? is done to increase the productive resources of the country. I hope the managers of the other ail-roads through the state will consider this subject, and on similar occasions. hereafter, init its' the noble, example of the Eastern man sees.

Your devoted reader and subscriber, Bytavia, N. Y. UN FERMIER.

The Syracuse House.

To the Editors of the New Genesee Farmer :

Sirs-I have just discovered in the last number of your valuable paper, an article headed "Accommodation at Syracuse -- a man charged a dollar a meal," and signed by " A Member."

In one paragraph in this article, the author states "we found ourselves very modestly charged at the rate of about one dollar a meal, including breaktast and supper, throughout."

Who the author of this article is, or what was his object in making the above statement. I am at a loss to determine. The house referred to, where this exhorbitant charge was made, is evidently the Syracuse House, which is kept by me. Aware that there was some mistake with regard to this matter, I have, since he above article came under my notice, made special enquiries of my book-keeper, who receives all bills at my house, and by him I am assured that no single instance of the kind above stated, occurred during the

To such persons as only came to dine, a dollar was charged for the donner. But when gentlemen had put up at the house, and in all other cases, no more than the usual charge was made; and in no instance whatever, was a dollar charged for breakfast or supper, as stated by your correspondent.

In those cases when a dollar was charged for a dinner, it was not for the purpose of excluding any one. or, in the language of your correspondent, "to secure select company," but because the occasion being an extra one, an extra outlay was required to provide

That no unjust imputation may rest upon me, you will do me the favor to publish this statement, and ascure your correspondent that if he or any other individual will produce an instance during the Fair where charges were made in my house other than as above stated, I will refund double the amount of any such Very respectfully yours,

P. N. RUST.

Syracuse, Nov. 23, 1841.

Remarks, by the late Editors -- In relation to the " object" of " A Member" in writing the communi cation referred to, and especially our object in publishing it, we can assure Mr. Rust it was not to gratify any feelings of ill-will towards him, or a desire to injure his house; but observing at the time that much dissatisfaction prevailed on account of the charges, and that some blame was attached to the managers of the Society, we were desirous that such notice should be taken of the matter as would tend to prevent like cause of dissatisfaction bereafter. We sent Mr. Rust's letter to 'A Member,' and he returned it to us with the following remarks subjoined :--

"I can only say in reply to this communication, that I was charged at the rate of about one dollar a quality, and often sells for two dollars per bushel. mea! -- that is, throwing out one or two things, which I do not know were reckon dor not, the bill would can we find an investment of \$300 that produces a amount to what I have said; and I was told by others that they were charged similarly. Whether the man

least one half of their prize money. And here I not, I cannot say. Your correspondent says, (when and when I repeated the expression that heads this argentlemen put up at the house, and mail other cases, (than dinner) no more than the regul charge was made,' The 'usual' charge where? At the Symcase, or at other houses? Is the usual clause at the Again, a dolfar was charged for danner, to cause " the occasion being an extra one, an extra outby was remired !' By this rule, the merebant must sell higher when his custom is large-the farmer who feeds a hundred hand of cattle, must charge more per hand, than he who feeds but one-and division of labor becomes a loss instead of an advantage. I thought tavem keepers always preferred a condenstom, to a scant one, and could make more money at given prices with a hundred boarders than with three."

For the New Genesee Farmer. Valuable Pear Trees.

"I don't want any perceptalis set," exclaimed the old gentleman, 64 shall never live to see them bear. In the early settlement of this place, although we had a few apple nurseries, but these mostly of natural firmit, yet a choice pear, plum or cherry tree was not to be had. About this time, (30 years ago) one of those discrent grafting men, so common of late years, came along engrafting for all who would employ him; and although, unlike some at the present day, he did not profess to have att, of the most choice varieties of fruit known, yet it cannot be denied but the had some good kinds of apples and pears. He was employed by my father to set some apple grafts, and when his job was nearly completed, he asked my father whether he would have a few pears grafted. "No!" replied the old gentleman, "I don't want any, I shall never live to see them bear." On being again urged to have a few set, he replied, "Well, I don't care, perhaps some of any children may live to see them bear." Accordingly, a few were set on the stocks of the wild thorn, cut down below the surface of the ground. Three of these survived and are now large trees.

And here let me stop to enquire whether the investnent has been a profitable one. They cost when set, say 25 cents, and these three trees are now worth at least three hundred dollars. One hundred dollars may be thought a great price for a pear tree, but we must value fruit trees as we do other property, according to the nett profits derived. A pear tree 30 years old from the graft, may be supposed to hardly have reached its prime probably will continue in full vigor and increase in value for 20 or 50 years to come. Probably the most valuable pear trees in the western country, are now growing near Detroit, and are supposed to be upwards of an hundred years old.

But to return to my story; two of the three pear trees were owned by my father at the time of his decease, which happened near tour years ago; and olthough at the time they were engrafted, he was quite sure he never should live to see them bear, yet he enjoyed the fruits of them for many years. One of these trees, called the Autumn pear the year before his decease, produced twenty three bushels of pers; the other, called the Orange pear, produced about half as many. Since then, the Autumn pear has produced as high as thirty-five bushels in a year; and they are never worth less than one dollar per bushel. The other two trees are of the Orange pear, and aithough much exposed to the depredations of certain two legged animals which it is quite impossible to fence against, and although only producing about half the quantity of fruit as the former, yet the fruit is of a superior

Now I ask, are these trees worth \$300 ! Where greater income! A year or two previous to the old gentleman's death, on so ing his trees loaded with Farmer.

the Pastern formers would have gone home minus at who made the charge was the regular book-keeper or | fauit, I called his attention to the history of these trees; ticle, he replied, "Ah, if instead of three or four I had then had one hundred, they would now be worth a fortune; yes, a fortune-worth more than the best form in this, country.9

A writer in the Farmer asserts that a choice year, cherry or plum tree cannot be found on one farm in four in Western New York, and which, for aught I know, may be true; yet for the last few years I have had ample demonstration that shows most conclusively, that an increased attention has been given to procuring choice varieties of fruits. And even as regards the pear tree, the expression that heads this article, is now rarely made B. HODGE.

Buffelo Nurseru, Dec. 21, 1811.

For the New Genesce Farmer.

Agricultural Meetings.

Our annual agricultural exhibitions are profitable and interesting; but they have a direct influence upon but a small portion of the community. It has often occurred to me that meetings of a more local character, in which farmers could convene and relate their experience, discuss specified subjects, and compare their views generally, would be attended with happy results. If circumstances would permit, could the intelligent Editor (who will be most condially welcomed in Western New York) better subserve the interests of the cause in which he is engaged, than by making a series of appointments in such towns as he may think proper, and thus set this ball in motion ? W. R. SMITH. Macedon, 12mo 23d, 1841.

White Carrots,

Are every way worthy of culture, yield much better than the Orange, and on light soil, are as easily gathered as turnips, and then such winter butter as the rows make when fed on them! Just call in some long evening, friend Editor, and examine for thyself.

Straw.

How can I make my cattle cat straw? I have often asked of some experienced farmers. "Give them less hay," was the general reply. Not liking this mode however, and knowing that good farmers in England and this country made free use of straw as food for cattle, I resolved last summer, when threshing, to change my plan. I stacked it as usual, but in the progress of the work, sprinkled on from one to two bushels of salt. I used the "Pitto Thresher," which gave me the additional advantage of mixing the chaff through the whole. Well, during the warm weather in the first part of this month, my cattle, instead of wandering about with but little appetite, might be seen any day eagerly engaged in filling themselves with straw. At night, when the cows were tied up to receive their roots, their hay would be almost untouched. Their rotund appearance left me no apprehension of their starving, however. This was continued until nearly the present time, when I was obliged to reserve the remainder of the stack for the use of the stables. Nearly a mouth's feeding of hay was saved.

Root Culture
Among the premiums awarded at the Agricultural
Fairs in the State of New-York, we notice the following acreable products-Mangel Wurtzell beets, 1000 bushels; Sugar-beet, 1160 hushels; Ruta Baga 1200 bushels, Carrots 720 bushels: Potatocs 400 bushels. These products, considering the dryness of the season, are retarrikably good, and go to prove the truth of what we have often maintained—the great advantage which would result to the agricultor, were he to devote a few acres to the culture of roots for winter provender for his stock. The degree of comfort such a course would secure to the animals generally, and the profit arising from the increased quantity of butter and milk which would be yielded by the milch cows, are considerations which none who are regardful to their interests, will, we are sure, overlook.—Am



ROCHESTER, JANUARY, 1842.

To Readers and Correspondents.

The non-arrival of Mr. Colman must serve as an apology for any deficiencies that may appear in this number. Our readers may rest assured that full amends will be made hereafter.

Our acknowledgements are due for the good y number of valuable communications received during the past month. Some of them requiring Mr. Colman's supervision are necessarily deferred till our next. Agricola is welcome to our columns; we hope to hear from him (and others of our friends) often. Quite a number of inquiries, notices of periodicals, &c., are awaiting editorial attention, and for the delay of which we claim indulgence.

Mr. Colman intends leaving Boston in time to attend the meeting of the State Agricultural Society at Albany on the 18th and 19th inst., and then coming to Rochester.

Cream Pot Breed of Cattle.

Samuel Jaques, of Charlestown, Mass., at his Stock Farm near Boston, proposes to offer on the 10th of January instant, at public sale, a large number of Cows and Bulls of his improved stock. These animals have been bred with great care. They are descended from an Improved Durham Short Horn Bull and one of the best cows ever owned in Massachu setts. This cow was most remarkable for the peculiar richness of her milk, and its large proportions of butter properties. Mr. Jaques assures the public that the progeny partake of the qualities of their encestry. They are generally of a deep red color and more than medium size, and are without doubt, among the best cattle to be found in New England. The sale will offer a favorite opportunity for persons who wish to improve the character of their milking stock. This attempt of Mr. Jaques is probably the first systematic attempt made in the country to form a superior dairy stock. Several of his animals are of the fifth generation.

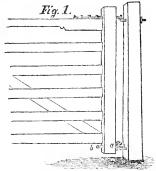
Gate Hinges and Gate Fastenings.

Most of our readers may have seen an estimate of the relative cost in using bars and gates for one year, and the consequent economy of the latter. It may be easily conceived, by thinking of the labor required to open and shut a set of bars five hundred times in immediate succession, and then the same for a gate. A very good thing was mentioned in a late number of the Cultivator, of R. W. Scott, a farmer of Kentucky. every field of whose farm was entered by a well-hung. self-shutting, and self-fastening gate, and cach field numbered conspicuously on the gate-post.

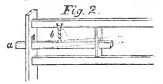
Many gates are passed twenty times a day, or more than seven thousand times a year, and it is a matter of some importance whether they abut easily or not .half a minute spent in dragging a half hung frame over the ground, and crowding a pin with difficulty into an auger hole to fasten it, amounts, in such a case, in one year, to no less than one full week of hard la

HINGES .- As a corrective to the falling of gates from their original position, the following is a good, but not new mode, though but little known and used. Fig. 1, represents the part of the gate attached to the post, and the hinges; the eye b of the lower hinge has a serew cut upon it, and by meens of the nut a, the a bis a rod of iron, half an inch or more in diameter,

gate head may be elevated or depressed at pleasure -This is often very convenient when the gateway is obstructed by snow.

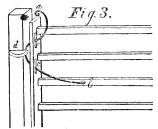


In order that a gate may be self shutting, it should be hung as follows:-Having set the post upright, draw a plumb line on the face of the post, and by this line set the hook of the upper hinge; and the book of the lower one two inches from this line, on the side to which the gate opens; this will cause it to fall shut, while opened less than ninety degrees or the quarter of a circle. To continue this tendency to fall, when opened still wider, let the upper hook project four inches from the post, and the upper eye or loop two inches from the gate; the lower hook project two inches, and the lower eye four inches. A gete thus hung will fall shut through the baif circle.



FASTENINGS .- These are almost as various as the mechanics who make them; and are of all grades, from the leather strap tied round gate and post, to the well made spring-latch shutting with all the precision of a mortise lock on the house door.

An excellent latch for a farm gate, in frequent use, is the horizontal wooden bar or bolt, suspended either at the middle or at each end, by a short chain and staples, and sliding through a mortise in the gate-bend, into a corresponding mortise in the post. When drawn back in opening, the chains being thrown from the perpendicular, the weight of the bolt throws it back to its place. Fig. 2, represents this fustening; a, the bolt ; b, the chain. The dotted lines show the place of the chain and bolt when the latter is drawn



The lastening represented by Fig. 3, has been found, by the writer, simple, cheep, and effective .-

bent as shown, passing through the two narrow mortises c c in the head of the gate, and moving on a in at b. When the gate is thrown shut, this iron latch strikes the projection d on the post, and is lifted backwards; its weight causing it to drop forwards as soon as the gate is shut. Such an iron rod, for a large farm gate, need cost but a shilling or two, end any farmer of ordinary skill may bend it to suit his fancy, by heating it in a stove, with a few minutes work. It may be made much shorter than represented, if desired .-Besides being cheap, and never liable to get out of order, a little sinking of the gate, not affecting it, it is easily opened by persons on horseback.

For the New Genesce Farmer.

Steuben Co. Agricultural Society.

MR. EDITOR-I send you a notice of the first annual Meeting and Fair of the Steuben County Agricultural Society; also a notice of the last meeting of the Society's Board. It is not yet a year since the question was raised in good earnest by a few enterprising citizens of this county, whether they should have such a society or not. This circumstance, together with the fact that the great mass of the farming community felt but life tle or no interest in the subject, put it out of the power of the Society to say what, or how large premiums should be awarded at its late fair. But feeling that such an exhibition as, by the blessing of God, they might be able to make, was the best, if not the only means in their power to awaken interest in behalf of their cause, the Board appointed Wednesday, the 10th of November last, as a day for the election of new officers, and for exhibiting such animals and articles of domestic manufactures as those who were already enlisted, or who would then enlist in the cause, might see

The wisdom of this step has since fully appeared. The day was highly propitious, and at an early hour it was seen that the most sanguine had failed to imaging the deep interest that was everywhere being manifested in the operations of the day. Our list of names was swelled to one hundred and eighty-three; and the cattle, horses, sheep, hogs, &c., that were presented would have reflected honor upon a society of more days.

The following is a list of the officers that were chosen for the present year:

Lazarus Hammond, President. Otto F. Marshall, Israel R. Wood, Lyman Balcom, Vice Presidents. Zibact Leland, Corresponding Secretary; Theren Loomis, Recording Secretary; Henry Brother, Treasurer.

EXECUTIVE COMMITTEE.

Henry Wambaugh, Lay Noble, Elias Mason, Samuel Cook, Warner Patchen, John McBurney, Sherman Rose, Jacob Van Valkenburgh, Orlando Comstock, William Dixon, William Kernon, Arthur II. Erwin, Amos Lewis, Albert C. Morgan, Stephen Kent, Nathaniel Mallory. Levi Davis, Harvey Andrews, Samuel Mathollen, Otis Thatcher, Daniel N. Bennett, Joel Canington, Johnson N. Reynolds, Wm. Hastings, Hiram Merriman,

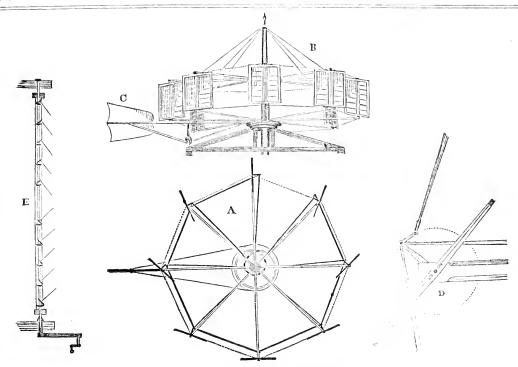
Jason Chamberlin, Amasa Stanton.

I send you a paper containing a list of the premiums awarded at our recent Fair.

(Received but have not room to publish.—Eds.)
T. LOOMIS, Rec. Sec'y.

Bath, Steuben Co., N. Y. Dec. 25, 1841,

" The Chautaugua Co. Silk Journal."-We have received the first number of a paper with this title, published at Dexterville, N. Y. by Edwin P. Lord. Mr. L. is said to have been many years engaged in the Silk business, and he appears to understand it thoroughly. He gives some interesting statistics of the extent and success of the Silk Culture in Chauanqua and some other counties; and if his paper is supported as it deserves to he, it will tend greatly to encourage this important cause.



NEW HORIZONTAL WINDHILL.

The use of wind power for propelling machinery, is a subject of considerable importance to the Agricultural community, although it is one that has received very ttle attention. Indeed we have often wondered that more use is not made of this cheep and powerful agency in this labor saving country. In those parts where ager power is scarce, wind power can be made a good substitute for driving ordinary Mills and other Machinery; but in addition to this we believe it might be used great advantage on many of our large forms for such purposes as cutting fodder, grinding corn on the cab, sawing wood, pumping water, &c. &c. The principal p great advantage on many of our large farms for such purposes as enting fodder, grinding corn on the coh, sawing wood, pumping water, &c. &c. The principal bjection to using Old Boreas we apprehend is, not that he is unable or unwilling to work, but the difficulty of harnessing him so that he can be ensily nanaged; we rish therefore to suggest to our readers a plan for removing these objections. The above cuts (farm hed us by the N. Y. Michanic) represent a very beautiful and agenious contrivance, of which it is said "all the difficulties heretofare existing in the Wind Wheel, have been overcome. The inventor into only claims thus as an approvement on all others, but that it is the "ne plus ultra" in Wind Wheels. The advantages are as follows: Firstly, every sail into all times geometrically correct it is position to the wind to exert the greatest force in propelling the Wheel; its power is double that of any other Horizontal Wheel. Secondly, the sails are so onstructed, that they open at a given pressure, and allow the excess of wind to pass through. Thirdly, it can be stopped instantaneously, and as quickly be again et in motion; in the same virial it will more with different degrees of power. For instance, it you have wind sufficient to run four run of stones, and your Mill is set a thingover, you can instantly reduce the power of the Wheel to drive two run of stones with the same speed that it drove the lour run with.

EXPLANATION.—A, in a plan of the Wheel: B, an elevation in perspective; C, the wene, supported by a truck running on a circular roll of hard wood, near ace are of the building; D, is an enlarged plan of one of the sails, showing the manner in which the pitman, and connecting rods, are attached to the crank; E,

aceave of the building; D, is an enlarged plan of one of the sails, showing the manner in which the pitman, and connecting rods, are attached to the crank; E, epresents a section of the sail, showing the manner in which the pitman, and connecting rods, are attached to the crank; E, epresents a section of the sail, showing the manner in which the slats open when the pressure of the wind is greater than required.

presents a section of the sall showing the manner in which the state open when the presence of the subscriber, at 203 Delancey, or 31 Ann street, New York, (if by JOHN M. VANOSDEL. etter, post paid.)

New York, December, 1841.

News from England.

The Steam ship Columbia brought London dates to he 3 Dec. and Liverpool to the 4th. The news is ot very important. Trade was very dull and Money n great demand. The prices of flour and grain had leclined.

The Banker's Circular announces that a strong coniction prevails that "the present government will reommend to parliament a material alteration in the exsting corn laws.

It appears by the late advices from England, that overty and distress, to an extent which can hardly be onceived of in this country, continue to exist among he lower classes in the populous towns, and many are ctually starving in the streets-others are induced to commit crimes in order to relieve the sufferings of their amilies .- The following is an extract, presenting an appalling picture, from a late English Journal:

"On every hand we hear of the abounding of disress; and not only so, but of its rapid and alarming nerense. It is not one particular branch of industry hat is assailed -it is not the trade of one particular ocality-but all seem liable to be involved in the wid aning and destructive circle. Tales of woe and suf fering, that are almost too horrid for belief, are repeat-

ed from the West Riding for Yorkshire, whilst Lanca shire awakens echo with the painful response. Paisley to Spitalfields, a cry of all but absolute famine prevails."

Again we are told that the debtors' prison in Neweastle, Durham, Lancaster, &c., are all crowded to excess, from the commercial tailures which have taken place within the last year. Another London journal tells as that on the 28th ult., there were 714 perses confined for deot, in the five metropolitan prisons !

How long will this state of things continue? The wealthy landed proprietors, and the lords of the princely balls and the immense catates, will not part with their worldly inheritance, to relieve the poor and humble operatives, who are willing to work for a mere pitance, but even that privilege is denied them. only remedy left appears to be emigration, and shiplonds of poor Englishmen are every week sent to Austrlia or the provinces in North America-and many find their way to the United States.

MARL IN VERMONT. - It is said that a bed of shell Mail has recently been discovered in West Alburgh, covering a tract of at least fifty acres, and it appears to be nearly inexhaus able.

He is greatly learned who has learned how little he knows.

NEW-YORK MARKET, Dec. 29,

FLOUR AND MELL—Since the arrival of the last s'eamer there has been no demand for export, and very little for home use; and as 'here is a disposition on the part of some holders to press sales, prices are again unsettled and be affected out quotations fully 12½ cents per bill. We quot's General of the property of the see and Ohio \$6 a \$6 122; and Troy and Michigan \$6; the latter is scarce.

CATTLE MARKET.—At market 900 head of Beef Cattle, including 60 left over last week, 200 of which was from the South and the balance from this State; 35 Milch Cows and

2400 Sheep and Lambs.
There was some further improvement to good Beef, but the common and inferior qualities are without change.—Sales of 750 head at \$5 to \$74, averaging \$6 the 100 lb

Milen Cows .- 25 were taken at \$25 to \$38 each. Sheep and Lames were mostly taken-Sheep at \$150 to \$4 50; Lambs at \$1 25 to \$3 each.

 $H_{\rm AY}$.-The market has been well supplied, and sales have ranged from 87½ cents to §1.12½ the 100 lb.

CINCINNATI POPK MARKET.

CINCINNATI POPK MARKET.

The Chroinant Grazte of the 221 December states that the business of Pork-p. (king at that place is going on very brisk-p; "that the shumbter-houses are in the relony;" thether with blood, and the purple current is to 1c found in the water of the Ohio flowing by itself a mile and more standiller-lines!" About the businesses of the Standiller-lines!" About the businesses were relocated in during the weeks "the businesses were relieved in during the weeks and \$2.40 being paid for best qualities.

Rend-.

[F tweet of a letter from Copy g i Co sty.]

At page 181 of your betvolume, it is mentione! the drought (as it would have done in Antinen ;) but revived by subsequent tames, it had taken a new start (norm spring), and that one branch had come into tall flower. From the same crusts, the front buils of the cherry, agric it and peren are much swelled, in this marter; and those of the last especially, are so inadvanced that a few days of mild weather would be sufficient to expand them.

Whether they can survive until spring, or not, must it should be unusually mald, I shall entertain no hopes of a crop next season. The exact degree indeed, at which sucled leads perish in winter is not known; neither do I know whether cherry bads in the same condition, are harder than those of the peach; but from some recollections in regard to the latter, I beheve they are generally safe here, when the cold is above z ro.

Some writers asende the dreay of the peach tree to building! and pretend that seeding trees are more healthy. I have never seen any thing to count name were builted twenty years ago, and they are as healthy as any seedlings in the country,

On the same day that Congress met at Washington, the crows held a convention in the woods near this place; and judging from the thousands that attended, I should rather think it a "mass inceting" than an assymblage of deligates. I remember several similar gatherings, which have generally been late in the fall, but not containing in action a day or two. I am not aware that any ornahologist has noticed this circonistance.

On the present occasion they seemed to be in earnest debate, though not more disorderly than some of to our overseers of high-ways. " Cease to do ceil. their botters under particular exertement. If they had a speaker, his voice and authority must have been unavading, for their clampriose at times, on the wind, your scrapers linguistic to cut down banks and tidges like the roar of Ningara.

Having neither pay nor rations however, a protracted session was out of the question, so the adjournin at was carried by acclamation, and the dark of ud passed away. Whether the old resident crows of the n-ighborhood were engaged in the onterprize, is not known; but they were seen soon after, flying over on their dully excussions, as if, like Gallio of old, they cared for rone of those thougs.

we'll sorked with the late rains, overso its of highways or can litates for that office, especially if they have the bump of abservation, unglit have been profitably carplayed for a time, in examining the condition of the Podar R dge road -the direct stage route between Auburn and Ishara. Waercver the ground was nearly m its natural state-that is, had not been disturbed by the plough, the for-ex-could proceed on a trot; but on the contrary, wherever the road had been raised by the serager, the ruts on I the mirl were so deep that the traveler was glad when he got safely through. The contrast was very remarkable,

Now want was the cause of this difference ?

Sone years ago, I heard one of our Judges, in his testimony before a board of impury, say that six years at least were required for a new road to become fully settled and firm, like one that had long been traveled. This open on, the result of observation, had no refer but they perform those unlackes which are the "next at the plough." ence to new roads through the woods; but such as of kin;" they draw from the kennel of death the are built up by the scraper, when sids, and muck, long list abandom dest, quickening him by the force and chips and whatever else is at land, are cented for sympathy and kindless into a thing of life, and fable branch of farming—indeed there is no doubt of

Swelled Prust Budsa-Peach Theese-Crowsan over promisenously and without discrimination or se health, and rectuliess! Every distillery is now that, ect on aido a pale.

that a Jalianne pear tree had doo, god its leaves during about when they spend does sucception the dataset an charstoom a bootless appending, while those of lesser making long Joy be's of will be earth for us to note sink tenande-s

> But can it be true that six years are required for a while of the cailings.

ed. For many years, I have observed that the best as commonly the best, because it is better to do noth a tangeble barrier of grim poverty itself. are then to do mischief.

When the State of New York shall waken up in regard to rouls, she will manage things differently. She will not allow the recurrent to be heavily taxed so no llessly. Shallful says intendents will be paid for held up to universal ridicule. For he it from us to their services, and our maces will be usefully applied. Thousands are annually wasted through false economy. filter easy, porney were no better than her road system, instend of a revenue of two millions, she would we can see no more danger to those interests in thus have a line of duck puddles.

The admonition of the prophet, would apply well Learn to do w P." Quit pluighing up the sides of the roads, and destroying your sleigh tracks. Use plicity, and in his perfect life he gave example of its -not crosser's to had in sods, muck, and mud, GRAVEL YOUR ROADS; and if the material is not within one inde, go two. Every lond is a read good, for the present same, for the present age, and point a little too for; 'tis said that Chrysostin rebuk for posterny.

Temperance Reform . Home League. It strikes us that the present is an era of great re-

torns; great abuses in social life having reached the ultimate point of human cadarance, a retrogade movement as the univoidable consequence has commenced, A few days ago, when the ground was base and which promises under a kind providence, to bring back the moral and social health of the nation,

The great tem, evance reform is the first or or ler; when the benevolent and Golishe of the band, commenced their labor in thes cause, they dispaired of doing any thing in ire than to make the practice of dram drinking others and nafashounble, in order to arrest me young N tabyte of the macrance in his downward course of fashernable de'usion. The poor bloated drankard was given up a spastall power of reform, his habits were considered too chronic to be within the reach of human and ! What is the consequence of this neglect of this unfortunate portion of God's accountable creatures? Veryly the words of scripture that the "last shall be first, and the first shall be last," is now in the rapid progress of fulfilment. Who are now the miracle working missionaries in the temperance cause, 'tos true they do not raise the dead,

and! The grog slop is now converted from a charnel Sayons for a road to be some world? Way, it house or corruption, into the basy murt of life and this is true, what me core puth ma this every year comfort! The more respectable tavern, now finds its

The next reform in order is the Home League. new embankment to settle? It it were made of Wheathathas seven blood in his veins, does not feel sound stuff-a chain subsoil mixed with sand and tath ill of domestic comfort at the very sound of such gravel, it would not be true, for it would soon become a name. But alas, it strikes us that its office is not compact; but when it is made of such materials as properly understood by these who proclaim its duties. corn and potators delight to grow in, it is true to the Unlike the temperance reformers, they call upon Covletter. The tilth with much of the fine couth has to enument to aid them by p calibrations and restrictions, depend on the temperature of the winter; but unbess he washed away by the rains; and not only that which ha arrest that over-triding in foreign finery, which is on the surface at one time, but all that which the can only be effectively done by a labor of love and washing horse and blanded wheels bring up to the sur-the power of domestic example. Blessed would be tree at un their time. All such impurities in stibe that home league; verify it would compass more than swept away before the road can become firm and good, twenty tarn's, if it could by the power of its action in not sinking and rathe hads of the horse nor the the home circle countervail a part of those evils which grow out of the equality of our institutions; I mean Now all this reasoning corresponds exactly with the 1th general epidemic for expensive foreign finery, the condition of the Poplar Ridge road, and with that of grinding waste of that ever changing fashion, and unevery other road in the quater which is much travel- limited extravagance, which pervades all grades of society in our land; that morbid appetite for exterroads are generally those which are the most neglect. and show among our men and women, which resista the nation. There trees now in my first garden that | of | Except in regard to bindges, dug ways, and with demoniac face, able the precepts of morality, litching to tuen oil the water, the lazest pathmaster the restraints of insolvency, and the more dark and

It is said that in England among the genteel classes of community, comony in dress and living is made a matter of boast, while the family that should indulge in tashionable show beyond its pecuniary ability, is wish to impose restraint upon society in these United States, inconsistant with our foreign trade, or our great national progress in refined civilization. But curtailing the excessive importation of foreign fab nes, than is now produced by the temperance reform in the diminution of our imports of wine and brandy, In the beginning Jesus tought of the beauty of sintruth, St. Paul preached it and his epistles enjoin i with eloquent and carnest affection; the early Christians followed the precepts and example of their mas ter, some of them it is true, in over zeal, carried the ed the "sisters grey," for the too nice fitting of their simple attere. At the court of Louis 14th, the Arch bishop denounced from the altar, the meretricious at tire of the females of the court. But on our repub hean land in these last days of light and protestan reform, fashion and extravagance is ten fold mor universal, than in any other part of the civilizer Christian world. It is a gangrene on our social sys tem, which promises, if not restrained, to uproo morality, and bring all our boasted professions of religion to shame.

We have read of savages so addicted to gambling that when they had lost all, they set up their own children! We have not done this great sin; but w have sold our birthrights for tinsel ! our State Stock are pledged for the payment of debts based on foreign finery, and children yet unborn must redeem them !

Waterloo, Dec. 15, 1541.

Mr. Entron.-The following memoranda contain so much good sense, given in a plain, familiar manner that I believe you will think them worthy of a plac in your columns. They are extracts from letters of practical man to a novice in the business of farming yet may perhaps give instruction to some "old hand

Sheep.

I consider them the most pleasant as well as profit

it. The experiments I made were under disadvanta- closed, you have another article from the same source geous circumstances, convinced me perfectly. I think for the self-manning process for the Grope which ex-I have heard you say there are some on the farm now, periment too has been tried, with complete success, on months. You will find that your fleck is doubled if there is any relicious to be placed on them, they are (with proper care and attention) every year-that the invaluable, and well worth the attention of all esmanute will pay all the trouble and what it takes in perially so, to our agriculturalists. You will confir a the way of fodder to support them. In the summer they will live where nothing else can, and improve, or rather give barren fields more than they take off, and the wool, in consequence, will be clear profit-

100 sheep cost, say \$3 per head,

\$300 CR. 300 100 lambs worth to you \$3 per head,

3 pounds wool each, 300 lbs. at 35c, 105 One of the principal maxims as regards these, as well as cattle, is to have them well attended to in winter. Economy, to say nothing of humanity, requires it-for it neglected at this time they get out of condition, and it will take half the summer to restore them to good order, and all the time they are recovering, they are not profitable-hence the economy-for Just so much time is lost. The best plan to winter cattle, is to get them into as good condition as possible in the fall-when it costs comparatively little, for the grass is then the strongest-keep them up in condition during the winter, and they enter spring profitable at once, without loss of time or provender.

Turnips, Ruta Bagn and Beets.

You will have to be careful to raise a crop of turnips, for the fly is very severe on them when young. Fine lime dusted over them is a great protection .-For winter use I would not advise you to depend on them, as they do not keep good longer than Christmes; after that they get watery and hollow. Ruta Bagas are much better, and are sound and good the whole season. For cattle they are not so much liked as beets, and are not near as profitable. I would advise you, by all means, to pay every attention to the latter-where there were potatoes last year, particularly if it was well manured, is the very ground for them. Have it well prepared-ploughed deep and well, to make it fine-cultivate with the plough, keep the weeds out, and you will be astomahed at the result. These, cabbage, ruta baga, and indeed almost every vegetable can be cultivated with the plough, not only as well, but better than with the hoe, and at a great saving of expense.

Manuring Gardens.

If your gorden has been manured regularly with stable manure, as I suppose it has, you would find a great advantage in trying lime and ashes-the latter from the ley tub are very good-and all the stable menure you will want in the fail for the garden, should now (April) be hauled into a snug pile; you will find it when wanted, rich and mellow.

Farming Generally.

The grand secret in farming, I am well satisfied, is to be early in planting and having your ground in good order-well ploughed and harrowed.

Get your oats in as soon as the ground is fit for ploughing-be sare to roll them when about two or three inches high, and do it well, just before a shower if possible.

Finish planting your corn one day before any of your neighbors, and if your hands or help are wet by rain in covering the last hill, so much the better. Keep working at it until it is above knee high, and you will have no further trouble, except, perhaps, to enlarge your crib.

IMPORTANT DISCOVERY.

Messrs. Editors:-Some time since, you published arrarticle from a French paper, on the subject or process of self-manuring land, for growing wheat. En-

t have again you say increase some of the same fast too has been truel, with complete success, on produced. We find the following notices of the same lact in Hendrison's, "History of Wines of the Old and New Time 1-2".

I have again you say increase some of the collision of the same lact in Hendrison's, "History of Wines of the Old and New Time 1-2". favor on the writer, and no doubt on all your readers, by giving the enclosed as wide a circulation as possible. And let all who have an opportunity avail themselves of an experiment so cheap, and if found successful, so beneficed, that is to produce an entire revolution in agriculture througout the world. Nature speaks volumes for it, and the ease and happiness of the human race, invite all who have an opportunity, to test it.

Discoveries in Agriculture. A few months since we extracted from a Paris paper, the Phalange, a statement to the effect that the straw of wheat, scattered over a field in which wheat is sown, makes the best manure that can be produced. The same paper furnishes us with what it considers a parallel case, in the mode adopted by certain vine dressers of France, who cut off the leaves and twigs of the vine, and mingle them with the carth about its roots; and in that way, it is said, produce the most hardy prolific vines that are known. He quotes from the 'Organic Chemistry' of Doct. Liebig, one of the most distinguished philosophers of Lurope, the following remarks in relation to the subject :

The observations contained in the following pages should be extensively known, because they furnish a remarkable proof of the principles which have been stated in the preceding part of the work, both as to the manner in which manute acts, and on the origin of the corbon and nitrogen of plants.

They prove that a vineyard may be retained in fertility without the application of animal matters, when the leaves and branches pruned from the vines are cut into small pieces and used as a manure.

According to the first of the following statements, both of which merit complete confidence, the perfect fruitfolness of a vineyard has been maintained in this manner for eight years, and according to the latter

statement, for ten years.

Now, during this long period, in carbon was conveyed to the soil, for that contained in the pruned branches was the produce of the plant itself, so that the vines were placed exactly in the same condition as trees in a forest which receive no manure. Under ord-nary circumstances, a manure containing potash must be used, otherwise the fertility of the soil will de-This is done in all wine countries, ; so that alkalies to a very considerable amount must be extracted from the soil.

When, however, the method of manuring, now to be described is adopted, the quantity of alkalies exported in the wine does not exceed that which the progressive disintegration of the soil every year renders capable of being absorbed by the plants

The author then proceeds to scientific calculations. which will not interest the general reader. After these we have the two cases alluded to, taken from an srticle by M. Krebs, of Sccheim, in a German periodical of July, 1840:-]

"In reference to an article in your paper, No. 7, 1838, and No. 29, 1879, I cannot omit the opportunity of again calling the public attention to the fact, that nothing more is necessary for the manure of a vineyard, than the branches which are cut from the

vines themselves.

"My vineyard has been manured in this way for eight years, without receiving any other kind of manure, and yet more beautiful and richly laden vines could scarcely be pointed out. I formerly followed the method usually practised in this district, and was obliged in consequence to purchase manure to a large This is now entirely saved, and my land is amount. in excellent condition.

"When I see the fatiguing labor used in the manuring vineyards, horses and men toiling up the monotains with unnecessary materials-I feel inclined to say to all, come to my vineyard and see how a bountiful Creator has provided that vines shall manure themselves like trees of the forest, and even better than they ! The foliage falls from trees in a forest only when it is withered, and it lies for years before it decays; but the branches are pruned from the vine in the end of July, or the beginning of August, whilst still fresh and most. If they are then cut into small pieces and mixed with the earth, they undergo experience, at the end of four weeks not the smallest trace of them can be found. The following remarks are by the editor of the pe-

"The last manure for vines is the branches pran-

ed from the vines themselves, cut into small pieces, and immediately naved with the soil.

"These branches were used as manure long since in the Bergstrasse. M. Fanenfelder says:
"Tremember that twenty years ago, a man called

Peter Muller, had a vineyard line which he manured with the branches pruned from the vines, and continued this practice for thirty years. His way of applying them was to hoe them into the soil, after having cut them into small pieces " His vineyard was always in a thriving condi-

tion; so much so, indeed, that the peacants bere speak of it to this day, wandering that old Muller had so good a vineyard, and yet used no manure."

"Lustly, Willielm Rut, of Schresheim, writes: "For the last ten years I have been unable to place dung on my vineyord, because I am pour and can buy none. But I was very unwilling to allow my vines to decay, as they were my only source of support in my old age; and I often walked very unxiously amongst them without knowing what I should do. At last my necessities became greater, which made me more attentive, so that I remarked that the grass was longer in some spots where the branches of the vine fell, than on these where there were none : so I thought upon the matter, and then said to myself-' If these branchis can make the grass strong and green, they must also be able to make my plants grow better, and be-I dug, therefore, my vinecome strong and green.? vard as deep us if I would put dong into it, and cut the branches into pieces, plucing them in the holes and covering them with earth. In a year I had tho very great satisfaction to see my barren vineyard become quite beautiful. This plan I continued every car, and now nov vines grow splendidly, and remain the whole summer green, even in the greatest heat.

" All my neighbors wonder very much how my vineyard is so rich, and that I obtain so many grapes from it, and yet they all know that I have put no dung

upon it for ten years.'

Here is the experience of thirty years, and yet it is confined only to a few sensible individuals, who have the resolution to innovate upon the wisdom of their ancestors, as mature age innovates upon the wisdom of infancy. The neighbors all wondered but did not inntate. The husbandman is not a docile animal; he is of Chinese extraction, and adheres to the 'good old beaten track' of carelessness and sloth, in defiance of all the elements and laws of nature. The great founder of Chinese medicine, Shin-nung, hved before the flood, and none of his followers have ever excelled

Nobody dare improve on such a renerable system; to cure a mon upon another principle would, no doubt, cause wonder among the natives, but they would never think of adopting the new system. The good old ways are established creeds all over the world.

"New Discovery in Agriculture."

Respecting the article which we published under this head in our Nov. No., we find the following remarks in the N. Y. Tribune.

I observe in the Tribune of the 22d ult., an article I observe in the Trionne of the Con unit, an article from a Paris paper, entitled "An important discovery in Agriculture." If this is a discovery in France, the fact is remarkable; as it is, and always has been a well known fact among our farmers, that the leaves of trees, and perishing vegetables on land constitute the manure which the laws of nature have provided for sustaining fertility. So true is this, that when I was a boy and a young man, before the revolution, (for I was bred a farmer,) it was customary for farmers to let their land he untilled for one, or more years, for the purpose of being enriched by the growth of grass and weeds. This was the great defect in farming ; the cultivators relying wholly on this natural manuic, without any rotation of crops. Before the Revelution I never knew an instance, in my native village, of an attempt to fertalize land by green crops or rotation.

At this day, there are districts of land, within my observation, which are, year after year, sowed with tye, without any manure, except the stubble of the former crop. In many places, this stubble is sufficient to keep the land in good heart for tye, for any period at pleasure.

The experiments, stated in the article above named, putrefaction so completely, that, as I have learned by are not in exact accordance with the practice of our farmers, but all dependin to on the same principle.

I have never seen an experiment made by placing grain under straw upon glass; but it is not an uncomm on practice for farmers to spread straw upon grass land for manure.

Whether straw upon the surface will produce more effect than when covered with earth, is a practical question; but I see farmers covering the seed of potatoes with straw, and plowing it in with a shallow furrow-slice. N. WEBSTER.

Tr We too were "leed in the Country," have some knowledge of farming. We were rather favorably struck with the "discovery in agriculture, to which our learned correspondent alludes, and are also inclined somewhat to his opinion that the princi-ple is not catively new. We think we can give a stronger metance of its practical attlify than either the French writer or our correspondent, but we only vouch for its truth so far as having heard it when a boy from the lips of a respectable farmer who resided on the banks of the Susquehanna. The statement was this . A portion of his farm was bare rack, which. in view of the small amount of labor bestowed upon it, he made the most productive. In the spring of the year he laid down or planted his potatoes on the rock, and covering them over with straw, poid no more ni-tention to their until fall, when he merely taked off the dry snaw and exposed a most abundant crop of the timest quality! The advantages of this method of raising potatoes are:

- 1. No ploughing.
 2. No hoeing,
 3. No degging—the take only being required.
- They are perfectly day.
- 5. They are perfectly class -ED. TRIBUNE.

A Good Thing for Farmers.

There is no one thing, it is believed, that would increase the profits of farming more, and better enable farmers to know what they are about than the most rigid accuracy in experiments. Here is the great defeet in agriculture in Western New York, and doubtless elsewhere too-guessing and estimating, but not actually measuring.

For instance,-a farmer believes be has found a very much improved mode of fattenin recitle-he feeds them so and so-and with this and that; but how does he know how much better his way is than other peoples; and how can be satisfy others that his mode is best, and induce them to adopt it ?

How can be? Why let him forthwith procure a weighing machine, such as we use for weighing havcosting fifty dollars perhaps-a large sum for most farmers; and let him perform all his experiments, by measuring his feed, and at the end of every week accurately weighing each of his cattle, and observing what kind and mode of feeding increases their weight most rapidly. From such experiments, he will soon be enabled to calculate his profit and loss to a dollar. Let him pursue the same course with his hogs, and other animals, at the same time that he endeavors, by reading and inquiry, to learn the best on the subject, and before many years he will have a fund of facts, (and of money too, I trow,) of more value, three fold, than the cost of his scales. Who will be the first to do this ! Who! "I pau e for a reply."

Again-there are many new, and very valuable things, lately discovered in raising crops. It has been found by fair experiment, for instance, that lime on land greatly benefits it-that marsh muck is of great value for some crops-that subsuit plang bing will double perhaps the products of the soil-that certain modes of culture without additional cost, or certain varieties of seed with little additional care, will add bushels to every acre. But who knows the precise amount of profit-if after all these are any profit at all, except under favorable circumstances-if the thing is done only by guessing? A merchant or a banker would find it rather dull business, if, instead of keeping every thing square and accurate, he should set about guessing his profit and loss! No wonder then, that farmers sometimes feel a little dull and heartless.

Well-how is this difficulty demolished? Why,

who has studied arithentic, and who has no more than because we have bought more than we have sold; 250 acres, can do this in half a day or a day. Then, count your loads of manure-register the quantity of seed and every particular in sowing it-and measure, not guess at, the crop which comes from the land. All this, on a farm of common size, would not cost in additional time, more than ten dollars; and how much think you, would it be worth? As much as ten dollars ! How much would it be worth to each farmer of you, who cultivates fifty acres every year, to know, for a certainty, the way in which he could increase the nett products of every acre to the amount of one dollar a

And how much value would it be to Western New York, in ten years, if every intelligent farmer would now get a waghing machine, and a tupe-line, and keep accurate accounts, and at the same time inform himself through the New Genesee Parmer of all the best modes of fattening animals, and of raising crops, and of the best seeds, and of the best ploughs, and other implements, and should practise on Tgotically, systematically, mathematically, upon this information?

Treasmy Reports—a third to protection cause of favora sound currency—duty on fronsecutioned increase of manufacturing instantial in the worst of times.

In the late report of the Secretary of the Treasury we find an ingenious argument in favor of increased protection to our home manufacturers: we should have been better pleased to see from the same master pen, an apology for that moderate protection which our present tariff for revenue incidentally gives our home industry.

In times like the present when the whole nation is prostrated by that reaction which has succeeded inflation; we cannot but expect from the fathers of the nation, such councils as will tend to turn the people back to retrenchment and reform, industry and economy, instead of encouraging the lelusive hope, that an increased tariff on foreign fabrics will bring back high prices and a prosperous trade to the country.

The Secretary says that "nothing is better established by our experience and the experience of other natious, than that the augmentation of daties, does not augment in an equal degree the cost of the article to the consumer; in many cases it appears not to increase that cost at all . very often the price to the consumer is kept "down notwithstanding the increased duties." We would ask then how is our manufacture to be protected by an increased duty? But we apprehend that this part of the Secretary's argument applies only to the ultimate consequences of protection; inflation and high prices are the first fruits, and the only ones coveted by the manufacturer; competition, over production, low prices and bankruptcy follow. The high turiff of IS28 ruined half the manufacturers in New England by the confectition it induced, and the only argument we now know of in favor of high protection, is that we should create an evil that good may grow out of it. During the palmy days of Bank making, when money became scarce, new Bank Charters were applied for in order to supply the deficiency; but now when a reaction has deranged the currency, we seek to increase the tariff in order to make up for the fluctuating vicious state of the corrency, and our consequent losses by bad debts.

Ask an intelligent manufacturer which he had rather have, all the States south and west, sound and punctual customers, or an increase of 50 per cent in the tariff of duty on foreign fabrics, and you have only to get a tape-line, costing about one ter than the slew and doubtful shilling ?" It is abroad as wheat growers, the fact cannot be denied, tha

dollar,-and measure all your fields-and any farmer true that we have bought too much from abroad. but if our present tariff will not prevent this, how can we hope a higher one to do it ! If the increased duty raises the price in our market, the foreign producer can still compete with us, as the increased prices will offset the increased duty, and when the price fulls our manufacturers will be no better off than they are now.

> A member of Congress (Mr. Marshall) in advocating protection, says, " our manufacturers must be guarded and foulled in the first days of their childhood," very true, but the over zealous friends of protection would destroy the health of the child, by feeding it strong meat and stimulating drinks, instead of the more simple aliment suited to its tender age. Under the protection which our revenue bill incidentally gives to our various manufactures, they have been continually on the increase. Our cotton goods are now exported in large quantities. which could not be done if they depended on a tariff to protect them. We know of no one branch of industry which suffers from foreign competition at this time, unless it may be Iron; and as Government has for some years back admitted rail-road Iron free of duty, it would now be no more than a just retribution to our Iron manufacturers, to establish the duty, as sundry memorialists have petioned, at the rate charged by the compromise act in the year 1839.

> Much is said and written of late, about foreign restriction on our bread stuffs, still we find that last year England admitted our bread stuffs under the lowest grade of duty to the amount of six millions of dollars; through the Canadas much of our flour and provisions finds a foreign market at a low rate of duty. If England admitted our bread stuffs free at all times, it would only lower the price of her own corn, without materially increasing the demand for ours; we should also have to compete with Europe for the English market, and Russia and Poland can raise grain cheaper than we can, because their labor is cheaper. But if we had the exclusive privilege of supplying England with all the foreign corn she needs, it would in ordinary years be very little; New England alone consumes more of the production of the West in one year, than is exported to all parts of the world in sever. al years; and this market, based on the rapid progress of manufacturing industry, under the healthy protection which is given by the provision of the compromise law, will be found continually increasing, even in times like the present, when a general bankruptcy threatens the more agricultural portions of the country. If the agricultural states had not involved themselves in debt, our manufac. turing states would be in a very prosperous condition at this time. S. W.

Waterlon, Nov. 28, 1841.

Smutty Wheat in Old Genesee.

Mr. Genesee Farmer-

If worthy of a place in your valuable and extensively read paper, and if, in your opinion, beneficial to the farmers of Western New York, I should like you to hand round to their through your columns, these few remarks in relation to that great evil .- Sumt in wheat

Your readers in New England and elsewhere, will probably many of them, on casting their eyes upon the caption of this communication, exclaim with surprise .-What, smutty wheat in old Genesce? That garden of the Empire State ? Can it be, that the wealthy, the intelligent, the enterprising, the successful farmers of that favored region allow their princely fields, their excellent soil to produce this detestable funci ? Yes, Mr. what will be his answer, "a nimble penny is bet. Editor, and however it may reflect on our character occasionally speak out against this great evil.

The origin of this disease, I believe, may be dated as for back as the dultivation of the grain itself; and from that day to the present, numberless experiments have been made by agriculturists of the old world, as well as by those of our own country, to ascertain the cause; and yet up to the present time, the conclusions which have been arrived at, are not entirely satisfactory. One of these experiments ascribes it to too much moisture in the soil, or a too humid atmosphere at a particular stage in the growth of the grain. Another was of opinion that it was caused by an insect. Another that it was a fungus, and that the powder which is similar to that of the common puff-ball of our fields, was the infecting agent. Another is of opinion that the minute grains of sout are in fact insects, and that when they come in contact with the sound seed wheat, they adhere to it, and inoculate it in such a manner ato cause it to produce saut. Another opinion, and which is now generally admitted to be a true one, is that it is a small parasitic fungus, which being absorbs ed by the roots of the seed grain while in a state of germination, and being thence carried by the san to the young germen, multiplying rapidly and continues to grow in like manner as the sound grain, which at maturity it much resembles.

But let us turn from the cause to the cure, or rather preventive, which is of far more consequence to the farmers, and this is what you should urge upon the notice of your readers, as of paramount importance to them in more ways than one. They need not expend their time nor their money in making experiments. These have already been made in numerous intances, and in every variety of form, by some of the most scientific agriculturists the world has yet seen; and the result is, a most complete and effective remedy, and one which comes within the reach of every farmer, viz :-To soak the seed in strong brine and then stir into it fresh slaked lime until every kernel is coated. In no single instance within my knowledge, has this failed when properly applied; indeed so perfect a cure is it, that in some sections of Western New York, where formerly the wheat crops were greatly injured, if not entirely ruined by smut, a proper application of this remedy, and an annual continuance of it for a series of years, has totally eradicated the evil; so much so that brining and liming is now considered unnecessary.

Great quantities of smut have been harvested in our town the present season, more than for several years previous. Some farmers of my acquaintance have had such an abundant crop of it, that it was with much difficulty the hands could attend the machine during the operation of threshing, so dense and suffocating was the cloud of smut-dust which constantly encircled them. To these farmers, and all others who are troubled with sant in their wheat, I would recommend a thorough application of brine and lime without farther delay. J. HORSFIELD.

Castile, Wnoming Co., N. Y.

Progress of Horticulture .- Exhibitions, &c. In the last number of the Farmer, we very briefly noticed the more interesting portions of the Massachusetts Horticultural Society's report; we now extract from the Magazine of Horticulture, the following items of intelligence from the published reports of other similar institutions. We agree fully and with much pleasure in the remark of the Editor of the Magazine, that these reports bear sufficient evidence that a taste for fruit and flowers is becoming general and is attracting public atten-

Essex Co. Natural History Society .- " During

to a considerable extent it is but too true. And it The variety of fruits and flowers was not only seems to me that so ne portion of your columns should greater than at prior seasons, but the number of contributors has very much increased. Several new amateurs have entered the field, and are bestowing great attention, to the cultivation of flowers, particularly of the dahlia, or to the growth of choice and delicious fruits.

"Ten weekly exhibitions have been held on Wednesday of the respective weeks, and the annual on Tuesday and Wednesday, September 11th and 15th. The hall was also opened on the evening of the 11th of July, for a display of two of those favority flowers of midnight, silence, and darkness, "the night-blooming cereus," from the green-house of Mr. F. Putnam. About eight hundred species and varieties of plants have been exhibited in flower; one hundred and fifty were natives of our wools and meadows-the others the product of the green-house and of the garden. Of these last, one hundred and twenty were roses, one hundred and twenty dahlias, sixty geraniums, &c. Of two hundred and thirty-three varieties of fruit, one hundred and twenty-two were pears, twentyeight apples."

American Institute, New York .- At the fair of this Institution last October, the exhibition of fruit, vegetables and flowers, was excellent.

Erhibition of the Burlington (N. J.) Luceum -The labors of this institution to spread a tase for gardening, have not been in vain. The reporter says: "The fruits exhibited were remarkably fine, and the specimens numerous. The vegetables were greatly increased in number and variety, compared with former exhibitions."

The collection of hot-house and green-house plants, pyramids and boquets of flowers was very creditable

Louisville (Ky.) and Jefferson Co. Horticultural Society.-The exhibition of this society in September last, being its first, shows that there is a lively spirit of improvement going on in that region. The report enumerates a much greater variety of fruit and flowers than might be expected in that quarter.

Pennsylvania Horticultural Society, (Phila'd.)-In concluding a long and interesting report of the Fall exhibition of this Society, the committee make the following remarks: "The onward march of horticulture in this community was strikingly manifest at the present exhibition; the great improvement in all the departments of that science was evinced in the increased variety of exotic plants, the successful culture of the rarer and finer fruits, and the remarkable progress in the growth of culinary vegetables. Nor was the growing interest which our citizens generally feel in the subject, less apparent or less gratifying on the occasion, for at no former period have the rooms been more througed with visitors, or more animated by a delighted and refined public."

These items are such as every farmer should peruse with interest, and be stimulated by them to devote that attention to the production of fruit and vegetables particularly, as their importance in domestic and rural economy would plainly suggest. It is not our wish to infringe on the Agricultural character of the Farmer with such notices as will merely interest the scientific Horticulturist, and which would be neither read nor cared for by the great mass of its readers, but we think it the duty of every Agricultural Journal to keep regulary before its readers the progressive course of those branches of Horticulture, to which every wellwisher of his country should wish public attention the present season, the Horticultural exhibitions at might be effectually and generally directed. Exthe Society's hall have gone off with great eclat. ample is very powerful, and wherever examples use of that which is to come.

are afforded us of our brothren in various parts of the country uniting their efforts to promote the advancement of Horticulture, to increase in quantity and quality the products of the soil, thereby aiding onward the great cause of human improvement and human happiness, and when those noble efforts are successful, as they generally are if properly directed, we consider that they should at least receive a brief notice in every journal devoted to the interests of the cultivator.

It must be through the influence of Agricultural Journals, that any thing like the general attention of community can be directed to the advantages to be derived from the practice of Horticulture, and they must be the principal channels through which that knowledge must be conveyed so essential to its progress. The circulation of books or periodicals exclusively Horticultural, is exceedingly limited in any part of this country, in the West particularly, nor can they be made to circulate until both taste and skill have been disseminated; to do this, we would repeat, must be the work of Agricultural Periodicals, and it is pleasing to see that some of the lealing journals have already expressed their intention of giving the subject the attention it merits, or at least more than heretofore during the ensuing year. We hope that all will consider the propriety of doing so and do it. P.

Scarlet Pever.

A correspondent says, "The happiest effects have esulted from washing the patient in weak lye which feels a little slippery to the fingers. It is best to begin in time, when the fever or redness first appears; and with a cloth or sponge apply it all over the child every few hours, but if the lever has got up, it should be repeated every five minutes till the heat abates. One of our children was getting better under this treatment; but his nurse observed in the night, he was again very hot, she washed him all over, and in a few minutes every trace of fever had left him. He felt cool, slept comfortably till morning, and has had no return of it since. Even bathing the feet in weak lye has a very soothing effect.

"Bleeding and strong entharties are bad-nauseating doses of ipecae good. If the throat is swelled, apply sweet oil, or a liniment made of this and nous ammonia, and drink freely of slippery elm, catnep, or

"If the swelling is very bad, it is best to call in the doctor -- or blister, and apply a bag of hops dipped in warm vinegor round the neck from ear to ear, the sufferer breathing the fumes of the vinegar. Gurgling a strong infusion of Seneca snake root or Cayenne pepper will do for large children or grown persons ; and afterwards use vinegar of squills. Give a dose of colomel when the skin begins to peel off; and he very careful for many days after, not to take cold."

"The country is rull or resources, and the people full of energy, and the great and permanent remedy for present embarrassments must be sought in industry, comomy, the observance of good faith, and the favor uble influence of time." - Tyler's Message.

A BOTTLE OF PORT WINE, of New York manufacture, has been found to contain 3 onnces of alcohol, 4 of cider, 13 of sugar, 2 of alum, 1 of tartaric acid, and 4 of concentrated colution of logwood.

New doctrines never please the old. They like to fancy that the world has been losing wisdom metend of gaining it, since they were young.

Love labor; for if you do not want it for food you may for physic. It is wholesome for the body and mind. Learning is obtained only by labor : it cannot be

bought with money; otherwise the tich would unitormly be intelligent. Learning regards all men as equal, and bestows her treasures on those only who work for them.

Let him who regrets the loss of time make a proper

Improvements in feeding Salk Worms.

The following art cle which we copy from an O'sio paper at the request of the author, contains some saggestions on the subject of Silk culture, which may he of service to some of our readers; but we cannot emeeive what new invention or discovery Mr. Tillingless claims the right to have secured to him by a patent, nor can we commend the spirit which prompts him to make the attempt. If we were enusged in that business, and desired to feed silk worms according to the plan he describes, we fancy we should do so in spite of any patent he may obtain .-The paper from which we copy, contains several certificates signed by persons who have witnessed Mr. T's operations, corroberating his statements and testifying of the complete success of his plans. B.

The Silk Business.

We last week visited the Cocoonery and Silk Establishment of Mr. Joseph B. Tellinghast, in this village, and were politely conducted through the differ ent spartments, from the room occupied in the hatch me and feeding of the worms to that used for reeling and spinning silk, -- and were much gratified to learn that Mr. T. is in a fair way to make the business profitable to hun, as well as an honor to our village. were shown some specimens of raw silk, and a few alterns of sewing silk, manufactured at Mr. T.'s ca tablishment, which will bear honorable comparison with the best Italian.

We publish below an article from Mr. Tillinghast, giving a history of his method of feeding the worm and reeling silk, which, no doubt, will be interesting

to silk growers generally.

This may certify, that fair years has passed since I first commenced feeding the silk worm, and have annually increased my stock of trees to half a molton. Natwithstanding my success the three past seasons exceeded my expectations in this new branch of bis now until the present season, I have found some trouble and difficulty and much anxiety in the last stare of the worm before winding, which has led me to adopt a new mode of feeding.

In the first place, in the old way of freding a large erop of worms, directly after the fourth monitury, so much tood is necessary, tout much hurry and confuslabor is required in frequent changing, in order to keep them elean and healthy. And, thirdly, the difficulty of preparing, in proper season, smitable fixtures for making their corpons agreeable to the natural instinct of their species. In taking all those difficul-ties into consideration, I finally came to this bircible conclusion; --unless some material change should tike place in the management of the worm, in the manner of feeding, &c , this unportant branch of in dustry could not well be carried on to much advantage in this country; therefore I ventured the following experiment:

I tee I my worms as formerly in our nursery room. as we call it, about 20 by 40 feet, upon thin board shelves, two and half feet by tour, until they revive from their fourth moulting; at which time they are rom yed upon those shelves into the escoon ro un with the later that has accumulated since the third montiing. The said coson room is constructed long and nation, 140 feet long and 18 wide, and as low as will admet do a recence. The traine of this building consists only of hewel posts and rafters, set say teet apart. The posts are well set in the groun and the common earth constitutes the floor. The feeding frame is four feet wide, to adont the feeding shell the The feeding lougest way, and extends the whole length of the room, except intermediate spaces for storage or filling. This room is intended to feed, by cutting whole trees, from one to six feet in length, by laying them upon the worms with their folinge. The feeding frame is suspended from the ratio, about three feet from the ground, and one per of frames on each side, two feet from the wall, which leaves six teet alley through the mobile, softment for a hand cart to pass with foliage. Two tier of aide boards, hung with leather hinges the whole length of both aides, constitute both doors and was lows, and admit of both light and air; the lower one is hung close to the ground and opened for the passage of the litter, which is very soon removed with The feeding frame is made of sawed a line or rake. stuff, one and half inches by three, and moveable stats of abon, one inch square, placed at suitable distances to support the trees and worms as they rise from the shelf below, which is supported by buitons; as soon as the worms leave the shelf, it is let down to the ground with the litter. The worms are left with a free circulatem of mr, and their excrement fulls away som them to the ground. The trees are crossed when and on, which makes a most suitable place for their winding, and remarkable for their being forme I single, and less these than any other fixture I ever saw.

Actual experience has demonstrated the present season, that two hundred worms can be well fed upon every square foot of this frame, and if the whole should be filled at once we should have 200,000 to finish their work every two weeks, and the whole feeding and attendance may be conveniently done without hirry or any difficulty with the help of two nice and two boys, ten years old, to pick leaves, gather coroons, &c.

I believe it to be a safe and prudent calculation, from what we have done and are now doing, with the he'n we now have, that in three months' time 1,000,-000 of worms may be well carried through. As we have had worms hatching about every day since we commenced the present season, and consequently some winding continually, we are quite certain of success with every broad we hatch, if we know our eggs to be from a licalthy stock and in a good condition -This is all important to every silk grower. We are daily watnessing the great contrast. Eggs from selected cocoons of our own raising have done remarkably well through the season, from hatching and winding, and those we obtained, that were not selected, more or less died in the r periods of moulting, and some would die inst hefore winding.

We have good reason to believe, that the principal ause of many ladures may be attributed to the eare of selecting or minner of preserving. We are now selecting our best coroons for our own stock of eggs for the next season, and contemplate to feed 2,000,000

from our live acres of treer.

From the commencement, I have calculated to reel our own cocoons as soon as practicable for the manu-

In visiting reeling establishments, where water is heated by steam, I thought I observed the deficulty attending it, by heating with chare alim furnaces. e meluded to try another operation, by making a wooden box of 2 meh plank, partee by tight, by making use of sheet from for the bottom. Said box is 4 feet long, This constitutes the 2 feet wide, and 1 foot deep. boiler, set on a brick sich, with a flue connected with the flue of the chimney. My small filature consists of three of the Predmontese Reels and one spanning machine of three spindles which, with the boiler and apparatus for heating water in the reeling pans, are all situated in a common dwelling room of 16 feet square. I have a wooden trough, made of 2 meh plank, 9 feet long, 16 inches wide, and 10 inches deep, raised 2 feet from the flaor, tin pains with partitions fitted to the inside of the trough, of convenient length for each reeler. A two men ton p pe is started from the top of the buler through the plank and is carried over the top to the bottom of the trough, running four times length, under the page, and one in the bott on through the ceiling outside: also, another pipe for letting off the water from the trough.

The same water may be used several days without changing; and in about one hour from the time the fire is started under the binder, the water is heated by steam the right temperature for common feeling, and continues to keep its temperature with very little tembing. It miswers the purpose intended adminably. In five weeks from the time the ears are latchal, the silk is a diverted into sewing, and not much interior to the best Italian. We expect the foregoing improvements will soon be patented.

We are very much gratified with the token of approbation received from our numerous victors, and yet would be pleased to wait on all as far as our time will allow, and space no preas to impact information in this bus ness, as far as we find on selves in prasession.

J. B. THLLINGHAST. Norwalk, Aug. 15, 1211.

All communications by mail, for information must J. B. T. be past paid,

Silk Culture.

Reasons why the people of the United States, egecially the farmers, should engage in the business of silk growing.

Ist. Because silk forms the heaviest item in the catalogue of our importations.

2.1. B cause we possess the means of doing it to better advantage than any other nation. 3d. Because the necessary skill is easily acquired and no nation ever possessed better talents to acquire

it. . 4th. B cause the nation is under heavy embarrass. cross with the Leicesters and the Merinos have each ments on account of excessive importations, and no proved failures. The same system that Mr. Bake-

other means are so sure of success in providing the necessary relief. 5th. Because it can be effectually engaged in by all

classes of people, requiring little or no capital. 6th. Because we have more spare land than any other nation, and much well suited to the growth of the mulberry, which is worn out for other purposes.

7th. Because we are already well stocked with the mulberry trees, which will be lost to the nation if not used for that purpose.

Sth. Because a stock of silk worms may be obtained the first year, equal to what could be reared of any other live stock in a great portion of a life time.

9th. Because raw silk or cocoons are always surer

of sale than almost any other commodity. 10th. Because it is a very certain crop.

11th. Because a pound of silk worth six dollars can be grown in less time than a pound of wool worth lifty cents.

12th. Because it will cost no more to transport a ound of silk to market worth six dollars than a pound of bread stuff or pork worth six or eight cents.

13th. Because the labor of growing a crop of silk requires only six or seven weeks, while that of almost any farming crop requires more than as many months 14th. Because most of the labor will be performed by women, children or myalids; who, though willing, are unable to perform other profitable labor.

15th. Because there are hundreds if not thousands it skilful silk manufacturers in the country who are unable to find regular employment for want of raw

16th. Because the growing and manufacturing of silk has never failed to be a source of wealth to any nation which embarked in it.

17th. Because the Legislature of our State, having observed and duly weighed all the foregoing reasons, have wise'y offered a hoeral bounty for its encourage-

18th. Because the American Institution, with a liberality which speaks volumes to its everlasting credit, has offered, for the encouragement of literature as well as this most eminent branch of industry, a premium of fitty dollars and a gold medal for the best treause thereunto, and a like medal for the best silk reel.

The person who would not be stimulated to exertion by such reasons and liberal offers of reward must be sorded indeed. -- N. I'. Tribune.

А ог тие Мокти.

From the Western Farmer and Gardener,

On the Different Breeds of Sheep. [Continued from our October No.]

Continuing the subject of sheep, I will now lay before your readers some account of what we here term the short wooled-that is, the Merino, the Saxon, the Southdown, &c. In as far as I commenced with the long wools, it may be advisable to continue the description, having reterence to the length of staple, as some order of rotation; and consequently of those already named, the Southdown will come hist under

The Southdown, Norfolk, Dorset, Ryeland and Cheviot, though, in fact, the old short wools of England, now occupy an intermediate space between the fleeces of Spain, Germany and New Holland, and the long wouls of the Cotswold, Leicester and Lincoln. The Spathdowns are a long range of hills, diverging from the great chalky stratum, which intersects a pornon of England from Norfolk to Dorchester, entering the county of Sassex on the west aide, and continuing almost in a direct line as far as East Bourne in Pevensey bay, (being within a mile or two of the spot where William the Commeror binded his army, pievious to the battle of Hastings) and occupying a space of more than sixty make in length with a succession of open downs, and distinguished by their situation and name, from a more northern tract passing through Surrey and Kent and terminating in the chils of Do-On these downs a certain breed of sheep have been reared for several hundred years, and from their location do they take their name. The present breed of Southdown sheep so justly admired, are indebted particularly to Mr. Eilman, for the possession of the time form they now invariably carry. We have it upon record, that far from possessing a good shape, they were, originally, long and thin in the neck, high on the shoulders, low behind, high on the loins, down on the rump, the tail set on very low, perpendicular from the hip bones, sharp on the back, the ribs flat, not bowing, narrow in the fore-quarters, but good in the leg, although having big bone Their improvement

has not been by any admixture of foreign blood. The

neesters, was carried out by Mr. Ellman in his exrunents on the Southdown with equally satisfacry results. The true principles of oreceing were touded to, the sexual intercounce of the sheep reguted by selections, and in and in breeding entirely one away with. Besides improvement in shape, ey negmed a better and hardier constitution, with a nter disposition to fatten, and became much heaviin corcuss when fat. They have a patience of oc-asional short keep, and an endurance of bard stockg, scarcely surpassed by any other sleep, an early aturity interior to none, with flesh finely grained, nd woot of the most useful quality. The Southdown neep are polled; the dusky and sometimes black colof the head and legs would almost go to prove that is was their original color, and in almost every ock, notwithstanding the case that is taken to pre-ent it, several particolored lambs will be dropped. nd some entirely black; and there is scarrely a oubt that if left in a wild state, they would in a lew cars become black altogether. There are no sheep acre healthy than the Southdowns. They seldem after from the hydatid on the brain, neither are they much subject to the rot. The following is Mr. Elinan's descript or of his improved Southdowns :

" The head small and hornless; tace speckled and gray, and neit for too long nor too short; the hos thin, nd the space between the nose and the eyes narrow : he underjaw or chop fine and thin; the cars tolerably wide, and well covered with wool, and the forenead also, and the whole space between the ears well protected by it as a defence against the fly; the eyemp or bone not too projecting, that it may not form a ntal obstacle in lambing; the neck of a medium ength, thin towards the head, but enlarging towards the shoulders, where it should be broad and high. and straight in its whole course above and below; the areast should be wide, deep and projecting forward between the fore-legs, indicating a good constitution and a disposition to thrive. Corresponding with this the shoulders should be on a level with the back, and not too wide above; they should bow outwards from the top of the breast, indicating a springing rib beneath, and leaving room for it. horizontally from the spine and extending far backward, and the last rib projecting more than the others ; the back flat from the shoulders to the setting on o the tail; the loin broad and flat; the rump long and broad, and the tait set on high and nearly on a level with the spine; the hips wide, the space between them and the last rib on either side as narrow as possible. and the ribs generally presenting a circular form like a barrel; the helly as straight as the back; the legs neither too long nor too short; the fore legs straight from the breast to the foot, not bending inward at the knee, and standing far apart both before and behind, the books having a direction rather outward, and the twist or meeting of the thighs behind being particularly full; the bones fine, yet having no appearance of weakness; and of a speckled or dark color; the belly well defended with wool, and the wool coming down before and behind the knee, and to the back; the wool short, close, carled and fine, and free from spiry projecting fibres. The average dead weight of the Southdown is from 120 to 160 lbs, though they have been fed to weigh 294 lbs.; the fleece, varies from 2) to 6 lbs., dependent, of course, on circum-The wool of the Southdowns, when in most stances. repute as a carding wool, principally used in making servants' and army clothing in England, and it was sparingly maxed with other wools for finer cloths; with the introduction of the Spanish and German wools it has changed its character, and from being an inferior carding wool, has become a good combing one, and enters into the composition of flannels, brizes at d worsted goods of almost every description; heavy c'oths for calico printers and paper manufacturers, woolen cords, and coarse woolens, blankets, carpets, druggets, &c., so that although it has lost cast, the most enthusiastic admirers of the old short wools, canot but look with satisfaction at its extraordinary usefulness.

I have said that the face and legs of the Southdowns are speckled and gray-1 wish farmers, however, to understand that it is not every sheep that has face and legs speckled and gray that is a Southdown ; and I make this observation, for the purpose of calling attention to the importance of purchasers being particularly tenucious of buying of no persons but those of established character, and to bewere of im-

position.

The Cheviot hills are a part of that extensive and elevated range, which extends from Galloway through Northumberland into Cumberland, occupying a space of from 150 to 200 square miles. The insjority of

Ill pursued with regard to the improvement of the them are pointed like cones; their subside smooth and steep, and their bases are nearly in contact with each other. The soil, except on the very top, is fertile, and from the base to the summit of most of them, there is an unbroken and rich greensward. On the apper part of that full in Northumberland, which is properly termed the Cherrot, this most viduable breed I sheep is build, and hence again its name. It is said they have been bred there from time immemorial. A strong prejudice was at one time cuterfained against them, but they are now spreading themselves rapully over every part of the south Hablands of Scotland. to the exclusion of the untive black faced breed. The head of the Cheviot is polled, bare and clean, with the raw of good length; the ears not too short; the neck round, not too long, and well covered with wool; the shoulders deep, full and wide setals ve; the ches full and open; the body, in general, found and full. and hams round and plump; the legs clean, of proportionable length, and well clad with wool to the knee joints and books; the fleece fine, close, short and thick set. It possesses very considerable fatten ing properties, and can endure much hardship, both from starvation and cold. The experiments that have been made in crossing the Cheviot with the Leicester and Southdowns have been entire fadores, and in ev ery instance has the original floore been deteriorated by the system; it is, however, carried on to a considerable extent, and a great portion of the sheep on the Cheviot range, have a considerable quantity of Leicester blood in them, by which the character of the wool is being entirely altered. OMERA.

From the Philadelphia Frening Post.

Cure for Diseases in Peach Trees,
Gentlemen—As I have understood from a source
that cannot be doubted, that there are several persons employed in this State and Pennsylvania, curing diseased Peach Trees and charging for doing so, and as that information has been received directly or indirectly through me without cost to them; I feel it a duty owe my fellow agriculturists to make it public.

The application to the trees consists of salt and salt petre combined in the proportion of one part of salt etre to eight parts of salt, one balf pound of this mixture to a tree seven years old and upward to le applied upon the surface of the ground around and t immediate contact with the trunk of the tree; this will destroy the worm, but to more effectually preserve the tree I also sow this mixture over my orchard at the rate of two bushels to the acre. The size of the fruit is increased, and the flavor very greatly improved, the worm destroyed and the Yellow prevented.

I hope that other papers will place this matter before their renders so as to prevent the public from being imposed upon.

With high respect, I am yours, &c. LYTTLETON PHYSICK. Ararat Furm, Cecil county, Md.

Literature as a Source of Happiness. In treating upon this subject we will take a liberal view of it, and understand, that by the term literature a meant every thing that is committed to letters. Whatever by means of these is taught us, whatever pleases the imagination, cultivates the taste, improves the mind and perfects the character, is to be attributed to literature. To it belongs not more the petty newspapers of the day, than treaties upon mental poilosoolu; not more the 'lutest novel,' than the fundamental and scientific works of Newton and Franklin. In fine we will take the word in its widest sense, not limiting it, as is frequently done, to works purely sci-

If we carefully examine the subject, we shall withont difficulty discover that literature is truly a source of happiness to us. In the acquisition of knowledge we obtain what is fitted to give us true pleasure at every step. We continually meet with something new, interesting and useful as we advance in our course. Our minds also become improved and stregthened in literary labors. What was once a mystery has now become thoroughly understood. The point, which we once supposed we could not gain, is left far behind. That perfection, to which we once dared not aspire, even in the wildest flights of the imagination, is now a common possession. There is even a plessure in our toil—it brings its own reward. The stores of knowledge, which we me continually adding to what we before possessed, urges us to still greater dilligence, gives a laudable zeal in our pursuits, and leads us to the consummation of our hopes. How does the inquiring mind rejuice at the developement of each truth, that is presented-at each unexpected discovery! What are our sensations as the unbounded fields of science open before us! With clacrity we renew our study. It is our joy—our life.

Again, literature is the source of improness to us on account of rendering of a assessment with each other more pleasing and profimile. Since our minds are improved by literary exercises, our powers of converention are incremed and improved. And as man is a social being, whatever is added in this way is necessairly added to his happiness. One skilled in sectice is thus brought in contact with the good and great, and has his pleasure increased by associating with

It adds to our happiness by enabling us to do good to others. It gives us pleasure to impart to others the nch treasures that we poss so, and which we may mipart without injuring ourselv's, but on the continry, rendering our own possessions more sure and fixed. With what interest does the teacher engage in the task of directing the "young idea how to shoot." And this satisfaction arises from the fact, that he knows he s performing a good action, and is benefitting the one that receives it. The writer, who publishes the results of his labor and research, and thus becomes an the bighest degree beneficial to man, has his share of entovinent. The orator stan s up before the ussemded mulutude, pours forth the thunders of his cloquence, reproves, convincts, enlightens and sways all around; and he too has his reward, the reward that always follows a just not.

Literature renders its possessor happy from the very Literature renders us possessor maps, and fact of his possessing such stores of knowledge. Its spreads out before him information of all kinds. volumes are ever open before him. Even from fietitions writings he obtains a knowledge of human nature, an insight into character, and the extent and power of the mingmation. In the history of the world he has a treasure meatmable. He almost sees the sceres of the early ages acted over again while he pursues their history. He holds "high concerse" with the good in the most uncient times. They speak to him in different languages-in poetry and prose. Ho is acquainted with every region-at home in every state. He is the keeper of many books, and especially of the "Book of books," "the key of hearen." Every thing is ready for his use: all he has to do is to open the store house of his mind, and let it flow forth. Ho is always ready for action, and able to do good .-Maine Farmer.

Agricultural Papers.

The vast improvements in agriculture, which have been made throug! out the country for some years past, have been brought about in a great measure, by tho dissemination of valuable information through agricultural journals. The farmer now finds that he needs a paper devoted to his business, as well as other men. There is no class in whose affairs there are so many subjects presented, on the most of which every one may learn something new from the experience of others. - Cultivators now read papers devoted to their interest, not only as a matter of pleasure, but as a matter of profit. They learn the best method of improving soils of every description. The detailed accounts of reclaiming low lands, and of renovating worn out fields, as pursued with profit. The most successful ways of preparing manures, by which the quantity is greatly augmented, and quality greatly improved -The most profitable modes of culture, the best productions of every description, &c. &c., and the result of the best offictive in every department, is related in a paper to the community, as one neighbor would state his practice to another. This is book farming, at which some, even in this day of light, have the prejudice to sneer .-- Far. Jour.

The Farmers' Cabinet.

We have had occasion, heretofore, to speak in the highest terms of praise of this publication, and especially of its engravings of animals; but we deem it an act of justice now to say, and especially that we sp. pear not invidious towards other agricultural journals, that most of the figures of caule we have lately seen in that work, are copies from English standard books, especially Younts, some of which are given as accurate and apparently original portraits of particular animals recently imported, and in no case we believe is the source acknowledged. Perhaps the Cabinet can explain this.

Always think what you say, though you may not always say what you think.

After kindness has failed it is quite seasonable to resort to coercion.

Folly does not always end with youth, nor wisdom begin with old age,

oughnests of the Public Press.

We tender our sincere acknowledgements to Ed. itors generally, for the favorable notice they have taken of our humble efforts. We feel in duty bound to give our readers two or three specimens of the numerous flattering commendations we have received since the announcement of our new arrangements.

From the Kentucky Farmer.

THE NEW GENESER PARMER .- We are very much gratified to learn that the services of Rev. Henry Colman are secured as the future editor of this piper published monthly at Rochester, N. Y. Mr. C is well and favorably known to the agricultural public, having been Agricultural Commissioner of Massachusetts and editor of the N. E. Fariner. Mr. C. will prove a powerful acquisition to the corps of agricultural editors and in welcoming him again into the fraternity, we congratulate the paper and the public to which his useful labors will be devoted. He will instruct his by practical knowledge, entertain by his fresh, lively and clegant style, and stimulate by the enthusiasm, he himself feels. We would go many a mile out of our way so spend a night with Henry Cohnan; and we are sure that many new friends will feel towards him just as we do, who will learn something of him in the New Genesee Farmer.

From the American Farmer.

HENRY COLMAN. - We observe by the New Genesce Farmer, that this grandeman is about trassume its con duct as exclusive editor, and we se ze the occasion to congratulate the pairons of that excellent publication, upon the important accusition they will obtain in the zeal, talents, industry and experience of that eminent agriculturist. In his "Card" of amuneration, Mr. Colman says, that "the feels that he is going among 'old acquaintances'—and why should be not? How could such a mon, whose intellectual and physicial lahors have been identified with the cause of agriculture for farty years, locate himself any where in our widesp end country and not find houself among old acquaintances!' The thing is impossible. For our self we can say, although we have never seen him, were it to be our lot to meet him in the deserts of Ara bia, we should hail bim as an "old acquaintance," with whom for years we had enjoyed the communion of mind, and for whom we have long entertained a sincere regard. We welcome him to his new post, with the kindlest feels of frendship, and shall adulge in the hope that his translation from the cradle of liberty to the young grant of Western New-York, may prove to him alike the source of pleasure and profit.

From the Salem (Mass.) Guzette.

The Rev. Henry Colman, late Agricultural-Com missioners of this State, is about to become editor of the "New Genesee Farmer," published at Rochester, N. Y. Mr. Colman is one of the best writers of the dya, and his numerous admirers, throughout the Commonwealth, will bear of his removal to another State with sincere regret. His labors have contributed more tion those of any other person, to give to agriculture the improving impluse which has advanced it so rapidly within a few years.

From the Maumee (O.) Times

New Genese Faumer.—We had been looking over several late No's, of this paper borrowed of our namesake Mr. Smith, and had already got our opinion of its merits-up to that degree of comparison called the superlative-when we were favored by the publishers with a prospectus for the Volume of the coming year-embracing a specimen sheet. In that we notice with great pleasure, that Mr. HENRY COLMAN, one of the most distinguished of the Agricultural writers of the Nation, has been engaged as its future editor. When we consider the great and well known merit of Mr. Colman as a writer, and, the favorable presition of the paper, for western enculation, we cannot doubt that it will be ere long be the most widely circulated Agricultural periodical of this region. Its articles have eretofore been much better adapted to the Western States, than those of the ---- We hope such will continue to be their character under its new Editor His good sense and extensive experience will, we trust. enable him to steer clear of the error of his late lamented friend, Judge Buel,-that of devoting too great a portion of his paper to the subject of improving poor soils. To people of this western country, such articles can be of little practical benefit. Our soils are invariably rich and we hope through the influence of such papers as the New Genesse Farmer, they will always be kept so.

Linux Lie Ulster Levishborn

NEW GLARSEE FARMER. -- We have bestelofte on evenu occusants forme test in a y to the n gu chame er of this paper, of the talents of its conductors, and the valuable and varied information imparted through us columns. We would again earne-tly recommend the publication to the attention of the public. It should be in the hands of every farmer. Additional interest will be given to the work the en-ming year, as the editorial department will be sustained by HENLY COL-MAN, late Agricultural Commissioner of the State of Massachusetts, and known as an emment agricultural writer.

" Please Exchange."-We almost daily receive several newspapers with these two words written on the margin. We never refuse to exchange, but as ordinary country newspapers are of no use to us, we offer to send the Farmer without an exchange to all papers that publish a notice of its character and Terms. Editors of Agricultural, Scientific and Literary periodicals, and city newspapers, who generously give us an exchange, will please accept our thanks. If any of them desire an extra copy of the Farmer, they will please in-

THE NEW GENESEE FARMER. AND GARDENFR'S JOURNAL.

VOLUME THREE-FOR 1842. THE Cheapest Agricultural Paper in the Lumon: - 6 Lange Pages Monthly, (with engravings,) and 50 Cents per year!!

HENRY COLMAN, EDITOR.

(Late Agricultural Commissioner of the State of Massachusetts, and Editor of the New Eng. Farmer

Museuchusetts, and Editor of the New Eng. Former) tradeful for the even sure patroning which the NewConceae Farmer has received during the just year, the propriets may have the surface for the coming year as ernout fail to be highly gratifying to the colors of the page, and seeme for it a still more extensive exculation. Desiring to make a the most useful and whelly circulating agreements for make a the most useful and whelly circulating agreement appear in the 1 man, the proprieter has engaged the services of the colors of the Sante of Massachusets, and formerly entered and comment agreement as the late of the Sante of Massachusets, and tomachy entered and support to the first of Massachusets, and tomachy entered and support to the first of the state of regression to the state of the st

Tog analysis and their assistants, are an normer and re-spectfully solurised to act as Agents and remit subscriptions for the Parmer. The low price of which it is published will not allow of much necunity compensation to Agents, but it is be even they will find a regard in the bursts which it is be even they will find a regard in the bursts. sub from the virculation of such periodicals in their neigh

ormoons. TFP ersons ordering papers are requested to strictly observe The results of decing papers are requested to distributions for Trays, and be careful to write planning the names of subscriptors, their Post Colley, County, and State; and in full cases to send the money with the order, so that the perplexity of keeping accounts may be avoided.

The Has,—Henrich money is sent Sand as Vex York or New England Indice documenton with the above due to the or New England Indice documenton with the above due to the contract of the

NEW CUSTO 1 MILL.—The subscriber having taken by the White Mall on Water Street, East side of the river for the purpose of running it as a Custom Mill would give

for the purpose of running it is a Custom Mill would give notice that he is now prepared to do work in we short a fine and as well as any N-dim Weistern New York, and with his compared to the standard of the standard of the com-grame of the standard of the standard of the purpose. WANTED immediately, 5-69 locksled Wheet; 180 Burley, Beans, Oats, Peas, Grass Soed, Play, Play Seed, Burley, Beans, Oats, Peas, Grass Seed, Play, Play Seed, Burley, Berney, Carlon Seed, Play and Seed of the standard of the griege will be paid.

price will be paid

N. B. Flour will be at all times in infactured on the most reasonable terms for increasing or others who wish trainground.

W. C. FOSTUR.

Rochester, January 1, 1841. 3 m

A FINE FARM FOR SALE-Of fifts a res of A chaire Land, started only about one a half a ree, from the centre of the flam is ling city of Roches er, N.Y. o. the south-east road lending from Montree street cast, and half a south-east food returning root control see east, and man a mile from the city line. A n w house, harn, and fences—a fine ordar I, good wood an water, &c.

For fatther particulars, enquire on V e premises, or address C, W J., Rochess (Pox C Hire, N. Y., Post pa d. Rochester, Der, 22th, 12th.

WESTERN Former's and Gardener's Almanac, for IS12-By Thomas Affect, (Incin-Also The precling in by West, by the same author. Price 25 cts. excli-32 per dozen, for sale at the Seed Store and Bookstarer in Rocheryer.—Nov. 1

that one is a second of the control time and muot was spent in sitering or circling life from soft-iable for feeding with safety. At first the spade, safek an chapper were brought into repulsion, but no sate factories Other machines have since been used, such as the Grater an orizontal Knives, operated by a term. But Milish's Vege table Cutter edipses the whole. It consists of a Box 1

orizontal Knives, operated by a team. But Milish's Vege table Cutter orlipes the whole. It consists of a Box F inches long, 2 feet wide, and 3, high, with a happer above and a receiver or spout feelow. Near the een re of the bot is a frame Learing a circular plate of cust iron on a horizont al axis to which in crank is at achief, this wheel carrier three knives set parallel to the face of the plate and radiating from the centre, the vege allel prosess against the knives and their own weight keeps them within the stroke of the

I have had one of Millish's Vegetable Cutters in use, and

A have had one of Melish's Vegetable Cutters in use, and consider it one of the most need in aeditions ever ivented and think that no faturer who values the lives of his catter of his own interest should be without one.

They will cut more potators into than slices in one hour than a man can eat in two days wich a knife. I find that Vegetables cut in this machine, will hold in one half the time, making a great saving of fuel and labor. The shadennests potators, utmaps, laguas, cablege stumps, (pumpkans and squashes when froken), while use. The chore is given to answer the many enquires made, which is the set impracement or machine, for the safe preparing of veest improvement or machine, for the safe preparing of Vicetal less for feeding stock.

C. N. BENT NT.

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Jan. 48t, 4842.

M. B. BAYLHAM.

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RYE, "
BEANS, White, "
POTATOES, "
APPLES, Desert, " 56..... 621 624 20..... 25 25..... 38 FLOUR, Superfine, per bbl ... 5.00 5,25 " Fine, ... " ... 4,75..... SALT, ... 1,25..... PORK, Mess, "10,00...... Prime. " 9,00....
per 100 lbs. 2.75....per 100 lbs...... 2,50..... 3,00 POULTRY,....per ih.... 5.... 6 EGGS,per dozen, 15..... 18 EGGS. per dozen,
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C'IEESE. "
LARD. "
TALLOW, Clear. " 13..... 15 10. 151 5..... 6.... 8..... IHDES, Green " ...
SHEEP SKINS..... 5..... 33..... 623 PEARL ASHES, ... 100 lbs.. 5,25..... " .. 5,50..... 30..... WOOL,pound,... HAY,ton, ...10,00 ...12,00 GRASS SEED, ...bushel, ...1.251.0

GRASS SECD. Dushel. 1.25

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Publishers Notices Editorial Address.
Impro el St. Ste-Auvisher, Durham, and Native, comparisin of their Dority qualities, by H. Column, 2s-2s-4; the Cubindi Farner, "The Orbinalists' Comparisin, of the N. V. State Agricultural Society, "the Auvisina Almanac and Repository of Visin Knowledge for 1842".

There Experiments in Wheat Growing, Ploughing Marteles, The State Pair and Vestern Catle. 16

The Symense Buyes. Valuable Pear trees, Agricultural Meetings, White Carrots—Straw Bont Culture.

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To Realer- and Correspondent Sile of Green Pot Cattle Gate Hinges and Gore Pasterings (wil: cuts) Stemen Co Agricultural Society Chantang e Co Silk Journal. Windhall (with cuts). Lace News From Engineth. Mart in Vermont. New York Mar-ter Proposition of the Corrollary of the Corrol

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Progress of Horteuthure-Lathinties a.c., Scarlet Fe-ver Sergis, Feeding Sijk, Worms, Peasons for engaging in the business of Sijk Growing. On the Different Breeds of Sheep, our for Secuses in Peach Trees, Lierature as a Source of Hyprices, Aericultural Papers, The Framers Calbird. Compliments of the Public Pre s. "Please Exchange" Hodieszer Prices Current. Advertisements, &c.,

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BATEHAM & COLMAN. VOL. 3. HENRY COLMAN, Editor. ROCHESTER, FEBRUARY, 1842. NO. 2. Proprietors.

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For Contents see last page.

PUBLISHERS NOTICE.

Our Success.-The friends of this paper will be gratified to learn that its success thus far this year equals our expectations, notwithstanding the severe embarrassments of the times. Our cash system appears to meet general approbation, and our clerks are kept busily engaged enrolling the names of our old friends (with many new ones) on our new subscription books.

Post Masters are entitled to our warmest thanks for their kindness in franking remittances. The late P. O. circular allows all postmasters to frank letters with remittances from subscribers to publishers of papers, if eigned by themselves; so that our friends should write the 'etters and hand them, with the money, to their postmasters, who will sign and frank them.

Send us Good Money .- We entreat our friends to send us the best money they can obtain. Bills of a number of the Banks in Ohio, Fenn. and other States are quite unsaleable, and we daily have to return them from whence they came.

Binding the Volumes .- All subscribers who have a complete set of vol. 1 & 2 should have them bound together. Those who can send them to this office may have it neatly done for 371.2 cts. Those who have vol. 2 only should by all means procure vol 1 so es to preserve the work complete. It will always be worth more than first cost. Vol. 1 & 2 are still furnshed at the subscription price-stiched in paper covers-postage the same as on newspapers.

To the Friends of the New Genesee Farmer.

The Editor has the pleasure of announcing to his friends, the Farmers in Western New York, that he is 'at home' in Rochester, where it will give him pleasure at all times to see them. His respected correspondent at Wheatland tenders him the hospitalities of that region. These, and all other such frankhearted invitations, he will be most happy to accent at the earliest mutual convenience. He does not intend to stand much upon ceremony. At his period of life there is no time for a long courtship; and the banns having been regularly published, and no one forbidding them, the nuptials may take place at once. Some of the happiest hours of his life have been spent in his intercourse with the farmers at their own hos pitable firesides; for no class of men has he more respect than for those in every department of life, who earn their bread by honest and virtuous industry; and for nothing has be labored with more zeal through life than the advancement of the condition of the agricultural classes, the improvement of their art, and the improvement of themselves. In this cause he has had no misgivings, and no regrets excepting regrets that he could do no more; and to thie, if so it please God, the remnant of his life will be devoted.

An agricultural paper of course, comes under the head of book-farming, and has all the prejudices to

encounter which kindle at those words. These prejudices, however, are nearly burnt out, and it is now difficult to find a mon who is not ashained to add fuel to the flame. Those prejudices have not always been without reason; but with no more reason than in respect to all the practical arts of life, book-manufacturing or book-trading. If by book-farming is meant following mere theories, or prescribing rules of prectice in the art without any experience, it should have no more weight than the authority of a man who should undertake to manage a vessel in a voyage neross the Atlantic without understanding the principles of navigation, or knowing even a rope in the ship. But who pretends to this? No one within our knowledge. Agriculture may be especially termed a science of facts. We go for facts : plain, determined. well authenticated facts; and we go for theories just as far as they are based upon facts, and clearly deducible from them. Types and paper turnish the best record for these facts; the best record, because it is a record open and to remain open to examination : where the facts stated can be reviewed and scrutinized, and all the circumstances councited with them tried But it would be ridiculous to presend that there are no settled principles in egriculture; and that after the accumulation of facts for yeers, we may say centuries, that no principles are determined, and that the first letters of the alphabet in agriculture are yet to be learned. It would be unworthy of us likewise, if we would descrive the character of intelligent and inquisitive men, to rest satisfied with the mere knowledge of facts in any science or art, if we can find out the reasons of those facts. Discussion, therefore, and inquiry, or what some men choose to call mere theorising, is equally our duty as the ascertaining of facts, if thereby, we can come at a solution of the concealed operations of nature; if it should answer no other purpose, it will at least stimulate and sharpen our powers of observation and inquiry. Our columns, therefore, will be open to the record

of all valuable facts and the intelligent discussion of all importent principles in agriculture. We consider some principles as much settled in agriculture as the great truths of the Newtonian philosophy; but we consider nothing as so far settled and beyond all dispute, which any intelligent mind chooses to debate, that all further inquiry must be foreclosed; and in respect to facts, we shall most scrupulously and religious'y avoid the statement of any thing as fact, which is not determined in our own minds by the fullest evidence; and whenever the evidence may itself be questionable, we shall honestly submit it to our readers that they may judge for themselves.

Premiums Crops in Monroe County -- Soil. Culture, &c.

(Continued f on Dec. No.)

Wheatland .- GEO SHFF AR'S Potates -312 bushels per acre-kinds round Pinkeye, and Rohan-Soil Gensee flats, old Meadow, 30 loads menure applied to the acre-ploughed well once and throughly harrowed--planted 29th May in drills 34 feet a part-seta 10 inches apart in the rows. Cultivated once between

the rows; heed once and ploughed twice. Expense of raising estimated at 6 cents per bushel. The potatoes worth 15 cts, per bushel for feeding stock.

Greece .-- Mr. McGuine's Patatoes-6 ecres-349 bushels per acre, kinds; Round Pinkeye, and Flesh Colored .- Soil, gravely loam; previous crops, Wheat, after Meadow; a light dressing of manure to the Wheat, but none to the potatoes; ploughed once in fall and twice in spring--planted 14th & 15th June, with whole potatoes, one large one or two small ones in bills -about 3 feet apart each way -- heed once and ploughed once-no further care till harvest.

Greece.-James Beaty's Wheat-6 Acres-53 29-60 bushels per acre. Soil rich gravely loam-old Meadow on which cattle had often been foddered in winter-broken up in June-cross ploughed (only once) about the last of Aug .-- sowed about 12th Sept. 13 hushel seed per acre-kind, White Flint.

Wheatland .-- GEO. SHEFFER'S Wheat-71 acres--40 bushels per acre-Soil Genesce Flats--after Corn in '39 and Barley in '40-gave 30 loads of manuro per acre for barley-ploughed only once after cutting barley, harrowed twice-Sowed Wheat 27th Ang. 14 bushel per acre-White Flint, rolled after sowing and rolled again 4 weeks after-then fed off close with Sheep-tillered well-uninjured by winter.

Castor Beau-Castor Oil Camilles

This article of culture is not new to us. We have seen it cultivated in Illinois. It is of easy culture, and has yielded a good profit when grown for medicinal purposes. The use of it referred to in the subjoined articles is new and we shall seek the earliest information in respect to it. In the meantime we request to hear from any of our correspondents, who are acquainted with the facts in the case.

The Alton (Ill.) Telegraph says: "Fifteen thousand dollars and upwards have been paid out at Ed. wardsville in this county, for castor beans, during the present fall and winter. The market for them is steadily increasing; and it is about as profitable a crop as can be put upon the ground.

CASTOR OIL CANDLES .- We were presented by Mr. E. Marsh, of this city, with one of his candles manufactured from Castor Oil, and were induced to test its qualities with a sperm candle. The experiment resulted in the demonstration that the castor oil lasted longer then the sperm candle, and the light of the former was decidedly more brilliant and extensive than that of the latter. We could not discover the least unpleasant smell crising from burning the castor oil candle; and believe that they are well calculated to supersede entirely the use of the sperm candle. Mr. Marsh informs us they could be afforded by the quantity at 25 cents per pound, about one half the cest of sperm candles.'

Portraits of Animals .- We intended to have stated last month that Mr. Sherwood had informed us that the portrait of his ball Archor, as given in the Dec. number of this paper, is not correct and does not do the animal justice. Mr. S. has promised to furnish us a correct engraving, and when he does so we will pubsh it with pleasure.

Mr. Fuller's cow, in the Nov. number, was still worse done; if he will obtain a good drawing we will see that it is correctly engraved and published. is no draughtsman in this vicinity who has bad sufficient experience in the difficult art of taking portraits of living animals.

IMPROVED STOCK.

Ayrshire, Durham and Native.

(From Mr. Colman's Fourth Report on the Agriculture of Massachuseits.

Dairy Stock.

[Concluded from our last, page 3.]

12. Cows. Enoch Sileby, West Bradford, Mass. "The Durham Short Horus, I think highly of, for the improvement of our country stock, and should prefer half and three quarters blood, to full; they come in as well at two as ours at three years old. feed well on the same food as the natives, and look better in the spring; the pure blood were fair milkers and would hold out till calving, if required; I purcha el at different times, ninety eight selected, country heifers; would keep none if they did not give 7 quarts at night and five in the morning, on a flush of feed, at three years old. Many did it, but would fall off, and by November, become dry or nearly so. Out of the said ninety-eight, I kept but two who would give a good mess of milk up to the time of parturition (if wanted). From these and their progeny, I have been most successful in raising, by putting the Dur-ham Short-Horn bull to the cows. The production has been a great improvement on the natives both for milk and appearance, and I have not had a single fail-I feed principally on English hay, occasionally ure. oat and barley straw, and roots, and bring them in at two years old as well as the natives would come it at three. I have never kept a particular account of the quantity and quality of the milk, but I know they are superior to my neighbors'; with good feed, they will give from 16 to 21 or 22 quarts per day; for curd I cannot tell, as I do not make cheese."

B. Shurtleff, of Chelsea, who has for many years kept an extensive milk farm near Boston, and who has had several of these animals of different grades, and had likewise many calves from Bolivar, the bull before referred to, says—"they have no merit as milkers above our common stock." A farmer in one of the shove our common stock." A farmer in one of the best towns in the county, who has been some time engaged in raising this stock, says without hesitation, "he should much prefer our native stock for a dairy." A farmer in Marlborough, who is one of the best managers in the county, and who keeps a dairy of twenty-five cows, will not have a Durham among them; and the farmers in this excellent farming town are agreed in the opinion that a calf of one of the Improved Short Horns, at six weeks old, is very inferior proved Short from a native cow. A great amount of veal is sent from a native cow. A great amount of veal is sent from Marlborough to the Boston market; and the marketmen and the butchers agree with the farmers in this opinion, which is very probably, after all, mere prejudice.

From a letter received from a farmer in Rhede Island, second for his excellent management to none other within my knowledge, the following is an ex-

"My experience in cows is confined to native stock and a cross of the native and Durham. Some of the latter have been good milkers, but not superior to the common stock. From one I probably obtained nine quarts per day on an average for the year; and from a native cow, twelve quarts for the same period. I do not know the exact quantity, but from the circumstance of having milked them myself from first to last, and from weighing at different periods, I am confident it is not overrated. Their keeping while at pasture, which was poor, was some hay daily, end perhaps three quarts of Indian meal. When confined to the barn there was an addition of three quarts of oil meal, or, as a substitute for this, twice the quantity of aborta."

I give an extract of a letter from another farmer, resident in Medford, in this county :-

"Of the Durham stock, I have but three, a bull and two cows, imported by R. D. Shepherd, in 1839. One of these cows is of no value as a milker. other is a very fine animal in appearance, but has twice slipped her calf, and until this senson has given She had her first living calf on the 28th August last, and while the feed was good averaged Angust tast, and wante the reed was good averaged about fifteen quarts of milk per day. She has since gradually fallen off to about ten and a half per day, which she gives now (Nevember). Her milk has never been separated from that of the native cows : I can therefore say nothing definite of its quality. I have been less curious and exact in measuring it and trying its quality from having always understood this stock to be more distinguished as beef cattle, than for any peculiar excellence as milkers."

hese are the only particular and detailed statementa which I have been able to obtain. My own experience, either with the full bloods or the mixed

butter. I visited some time since the yard of a farmer in this State, who has passed the highest encomiums on this stock for their dairy properties, saw his cows milked, and measured the milk. He had 5 animals,—2 as I understood, of full blood, Denton's progeny; 3 of mixed blood; and some other native It was in September, and the pasturage was abundant. The best animal in the yard at the morning's milking did not give more than four quarts; the second not more than three; the third, one quart and a helf. It is not necessary that I should give any forther minutes.

I feel myself bound in honor to state these facts and these prevailing impressions, leaving them to have the weight to which any may think them en-

NATIVE COWS.

I shall proceed now to give an account of some native cows, or cows raised among us, which have fallen under my observation; and I have only to add, that in my opinion, nothing is wanting to multiply such cows among us by hundreds but more care in the selection of the best, and a great deal more liberality and carefulness in feeding and nourishing them. I have referred to some of these cows in my former reports; I shall and others, and hope to be be pardoned for the repetition on account of the importance of presenting this whole subject in a connected view.

I shall refer in the first place, to the celebrated Cramp cow, owned in Lewes, England, because as yet she bears the palm of all others; and because I wish to direct particular attention to the extraordinary care with which she was kept. She was not of the Improved Durham Short Horns. She was bred in Sussex from a Sussex bred cow; and it would seem es though she had some aristocratic blood in her veins, as it is said her great great grandsire received a prize cup at Petersham, in 1726, though I think this must he an error for a much later period, as she was calved in 1799.

From the first day of May, 1805, the day she calved, to the second day of April, 1806, a space of fortyeight weeks and one day, her milk produced 540 lbs. butter. The largest amount made in any one week, was 15 lbs. From May to June, she gave 20 quarts per day. From 20th June, to 10th September, 181 quarts. In forty-seven weeks, she produced 4.921 quarte of milk.

In the next year, from 19th day of April, 1806, the day she calved, to the 27th February, 1807, forty-five weeks, she produced 450 lbs. butter. The largest amount per week, was 12 lbs. for the time was 4,137 quarts. During this year, she was sick and under a farrier's care three weeks after calving. She went dry seventeen days only.

In the third year, from the 6th of April, 1807, the day she calved, up to the 4th April, 1808. fifty-one weeks and four days, she produced 675 lbs, of butter. The largest amount made in a week, was 18 lbs. The quantity of mi k given in that time, was 5.782 quarts. In the fourth year, from the 22d April, 1808. the day she calved, to the 13th February, 1809, fortytwo weeks and three days, she produced 466 lbs. of butter. The quantity of mi k given in the time, was 4,219 quarts. In the fifth year, from April 3d, 1809, to May 8th, lifty-seven weeks, her produce in butter was 594 lbs. The amount of milk given in the time, was 5,369 quarts. The largest quantity of butter in any week, was 17 lbs. This is the most extraordinary cow of which we have any record. Though it has been presented to the public before, yet the account may not be accessible to all; and I deem it useful to state the mode of her treatment.

"In the summer season, she was fed on clover, lucerne, rye grass and carrots, three or four times a day; and at noon, about four gallons of grains and two of bran, mixed together, always observing to give her no more feed than she eat up clean. In the win-ter season, she was fed with hay, grains, and bran, mixed as before stated, feeding her often, viz. five or six times a day, as was seen proper, and giving her food when milking; keeping the manger clean, where she is fed with grains; not to let it get sour; wash her udder at milking three times with cold was out the barn as she likes; particularly careful to milk her regularly and clean. Milch cows are often spoil. ed for want of patience at the latter end of milking them." ter, winter and summer; never tied up; lies in or

I new proceed with a list of cows produced and raised among ourselves; not a distinct but a mixed race; raised under innumerable disadvantages; yet showing, in a remarkable manner, what valuable materials we have to work with.

1. The Oakes Cow in Danvers, Mass. produced in breeds, has not been favorable to them for milk or 1813, 180 bs. of butter; in 1814, 300 bs.; in 1815,

over 400 lbs.; in 1816, 4841 lbs. During this time one quart of the milk was reserved daily for family and she suckled four calves for four weeks each, in the course of those years. She produced in one week 194 los. butter; and an average of more than 16 lbs. of butter per week, for three mouths in succession. The largest amount of milk given by her in one day, was 44½ lbs. She was allowed 30 to 35 bushels of Indian meal per year, and all her own skimmed milk and most of the buttermilk. At one time, the owner gave her potatoes, which increased her milk, but not her butter. In the antumn, he gave her about six bushels of carrots.

This cow came into the possession of Josiah Quiney, then of Quincy, who had at the same time a large cow of English blood, the progeny of a celebrated im-ported cow, and owned by John Welles, of Dorchester, whose improved stock are held in high estimation; but as to their legitimacy in the Short Horn family, or the strict purity of their blood, I cannot speak with confidence. On a trial of this Oakes Cow with this English Cow for a fortnight under the same food and treatment, the English Cow produced 16 lbs., the Oakes Cow thirty-two lbs. and a few ounces in that

time.
2. The Nourse cow, owned in North Salem, made 20 lbs. of butter in one week, and averaged 14 lbs. butter per week for four successive months.

The Haverhill heifer, two to three years old, produced 14 lbs. of butter in a week after her calf was killed at six weeks old, and more than 18 lbs, of butter in the ten days after her colf was killed.

4. Cow owned by John Barr, in Salem. 1822. In 174 days the weight of milk was 7611 lba.

29651 No. of quarts, beer measure, 1823. In 268 days, weight of milk was No. of quarts, beer measure, 7517 2923 The sales from this cow, including the calf at 5 dol-

lars and milk at 5 cents per quart, in 1822, was \$153,. In 1823, \$151,15.
 Cow. John Stone, Marblehead. From June

to October, this cow averaged 11 lbs. of hutter per week.

6. Cow. N. Pierce, Salem. 3,528 quarta of

milk per year; nearly 10 quarts per day.
7. Jeremiah Stickney, Rowley. 19 quarts daily; calf at 6 weeks old weighed 196 lbs. ; gain 2 3-7 lbs. per day.

8. Cow. Issae Osgood, Andover. 17 quarts of milk per day; made 50 lbs. of butter in the month

of June. 9. Cow. S. Nosh, Danzers. In 148 days from 2d May, gave 5871 gallons milk; more than four gallons per day for that time. This cow calved on the 28th of April, and in the 148 days succeeding the

2d of May, she yielded 60543 lbs. of milk.

10. Cow. T. Flanders, Haverhill. From 20th April to 22d September, besides 461 gal one milk used

for family, made 163 lbs. 4 oz. butter.

11. Cow. Daniel Putnam, Danvers. "This cow calved May 21st. The calf was sold June 20th for \$7 621. During the 30 days that the calf sucked, there were made from her milk 17 lbs. of butter. From June 20th to September 26th (fourteen weeks) she gave 3370 lbs. of milk, or more than 34 lbs. 6 oz. The greatest quantity on any one day was per day. As bles, or 17% quarts. The weight of a quart of her milk is 21bs, 9 cz. The greatest quantity in one week was 288 lbs. The quantity of butter made in the same fourteen weeks was 139 lbs. The greatest amount in one week was 12 lbs. 2 oz "

12. Cow. Owned by William Oshorn, Salem. The milk of this cow from January 24th to April 10th, was 3127 lbs. varying from 33 to 48 lbs. per day, averaging 404 lbs. per day during that time,

13. Cow. Owned by Richard Elliot, Danvers. This cow's milk gave 16 lbs. of butter in one week; and she yielded on an average from 15 to 18 quarts per day, beer measure, for a length of time.

14. The vield of a cow owned in Andover is re-

markable. Her origin is not known, but her sppearance indicated a mixed blood; and I was led to beieve she partook of the Yorkshire blood, a race of cattle which I have found in the neighborhood of Moultonborough and Canterbury, N. II., but whose introduction I am not able to trace.

In 1836, besides supplying the family with cream and milk, there were sold 1273 gallons milk at 14 cents per gallon, \$17 88 166 lbs. butter at 25 cents, 41 50

8 00 Calf sold,

"The keeping was good pasture and swill of the house, including the skim milk, with three pints o meal per day." These statements show, in a strong

1st December to 26th April, 148 days, produced 193 lbs, of butter.

16. A cow owned by R. Campbell of Pittsfield, has yie ded 26 beer quarts of milk per day. 17. A cownweed by Hoses Merrill, gave 30 beer

quarts of milk per day.

A cow owned by D. Fenn of Stockbridge, 8 years old, produced in one week 12 lbs, 9 oz. butter. During the same time, 10 quarts of the milk were sold, and in addition cream and milk were used freely in the famuly.

19. A cow owned by Calvin Davis, 4 years old in the spring of 1838, in 172 days produced 225 lbs. butter, and fatted a calf. An accidental injury to the

cow prevented a continuance of making butter.

20. Two cows of Wm. Dewey, of Alford, in good season, averaged, for a length of time, 14 lbs. of but

ter esch per week. 21. A cow belonging to the late Dr. Hyde, of

Stockbridge, for some time produced fourteen pounds of butter per week.
22. Two cows in Vandensenville, produced 14 22. Two cows in Vande lbs. of butter each per week.

- Millard of Egre-23. A cow belonging to -

ment, produced 14 lbs of butter per week.

24. From two cows belonging to Russell Brown in Chesinire, besides the free use of milk and cream in the family, 90 lbs. of butter were produced and sold in three weeks, and in four successive weeks 114 pounds.

25. A cow owned in Stockbridge, by Stephen

Willard, produced as follows:

In 321 successive days 331 lbs. butter. 77 293 11 318 " 306 1,

912 lbs. 911 days

"The above is exclusive of 25 lbs. made while fat-tening three culves." He adds "my method of keep-ing has been grass only, from spring to fall. In the fall I begin with pumpkins and potatoes, and feed moderately during the time she gives milk. An aceount has been kept for only three years; but it would not vary much from the above, for the twe ve seasons I have had her, except the present season she has been farrow." This cow is now eighteen years old, will calve again about the middle of February."

Two cows owned in Pittsfield, produced each 50 lbs. of milk per day; and one other 32 lbs. at a

milking.

A cow owned by Thomes Hodges, in North Adams, produced last year 425 lbs. of butter; 400 lbs. of this amount were made in time months. Her feed consisted of one quart of rye meal, and half a peck of pointoes per day; and very good pasturing.

28. A cow awned by Joseph F. Upton, of Ashfield, Franklin Co. From the first of April, 1837, to the middle of February, 1838, her product was 335 lbs. 15 oz. From the 9th of May, 1838, to the 28th December, 1838, she had produced 303 lbs. 3 oz. of butter, and was still making at the rate of one lb. per

day. The owner adds, "In the year 1837, I killed my celf at three days old, and gave my cow the skimmed milk through the summer. I commenced the first of October to feed on potatoss. I gave her about one peck per day boiled, salong as she gave milk. In the year 1838, I fattened my calf and killed it at four weeks old. It weighed 75 lbs. She has had nothing but grass this year, until the first of October; since then I have fed her with one peck of boiled potatoes per day. My cow is seven years old last spring. Her winter keep at present, whole giving milk, is as much hay as she will eat, and one peck of boiled potatoes per day.
23 Cow. N. Sanderson, Waltham, Moss., 1828.

Tairteen and one half lbs. butter per week through

the season, on an average.

39. Cow. Luke Fisk, Waltham, Mass., 1824. Mide 12 lbs butter per week.

31. Cow. George II. Hardy, Waltham, Mass.. 1526. Averaged, for four months, 113 pounds per

week. 32. Cow. John White, Dedham, Mass., 1826 Gave 12 pound butter six weeks in succession; one week 12 pounds 13 ounces; three months, averaged 101 pounds per week; gave 18 quarts milk per

day, at times.

33. Cow. James Robbins, Watertown, Mass.,
1827. May and Jane, from 10 to 13 lbs. butter per

Caw. Relph Hastins, Dorchester, Mass., Eighteen quarts per day—average 14 to 15 week 14 pounds. week. 34.

hight, the difference between a good and a pour cow; and the ruthity of liberal keeping.

15. A cow of Smithel D. Colt of Pittslicht, from 2 the cow of Smithel D. Colt of Pittslicht, from 2 the guarage of comments. charming. This was the mother of Mr. Jaques's famous Cream-pot breed.

35. Two cows-Rev. Mr. Phenix, Chicopee Mass , 1828 : for several weeks averaged 20 lbs, per week, besides what milk and cream were used in the

36. Cow. W. Chase, Somerset, R. L., 1831 Most of the season, 20 quarts milk daily; averaged nearly 11 pounds butter per week during the season; 120 pounds made in ten weeks.

37. Cow. Israel Graves, Northampton, Mass.,

Four years old; one week, 13 pounds 9 oz butter.

38. Cow. L. Hosmer, Bedford, Mass., 1830.

14 pounds butter per week.

39. Four cows. Jesse Putnsm, Danvers, Mass, 1830. Averaged more than 208 pounds butter each in the senson; highly fed.

40. Six cows. J. Curtis, Marblehead, Mass., 1830. Averaged over 181 lbs. butter each in the senson, without extra feed.

41. Cow. W. Dickinson, Deerfield, Mass., 1830. One week, 14 lbs.; first eight weeks after calf was taken away, made 96 lbs. Six quarts of milk made one pound of butter.

42. Cow. H. G. Newcomb, Greenfield, Mass., 1830. From March 27th to May 25th, made 100 lbs. of butter, and reserved 160 quarts milk. In 14 days, made 29 3-16 lba. butter.

43. Cow. D. Wait, Greenfield, Mass., 1830. In one formight made 25 lbs. butter. In May 1832 she produced, in one week, 153 lbs. butter. Average daily weight of milk, 47 lbs. Measured one day 26 beer quarts.

44. Two cows ____ Hart, Shelburne, Mass., 1834. Besides milk and butter used for a family of three persons, they sold from these two cows, in one senson, upwards of 400 lbs. butter; feed, grass only. In June, they made in one week 23 lbs., one week 25 lbs., one week 25 lbs.

45. Cow. —— Barrett, Northampton, Mass , 1830. This cow milked, for one fortnight, every eight hours; at each mi king has yielded a pailful, holding 10 quarts-the weight of the milk averaging daily 491 lbs. Her milk has yielded daily 2 lbs. 5 ez. butter, making 32 lbs. 6 oz in 14 days. From one milking alone, 1 lb. 6 oz. were made, which will give 4 lbs. 2 oz. butter in one day, from one cow; the butter was of a superior quality, and brought a high

price in the Northampton market.

46. A cow owned in New London, Connecticut, yielded 10 quarts milk per day, for 14 successive months.

Cow. I. G. Tyler, Bradford. This cow, from April 1 to Sept. 28, produced 1543 lbs. of butter. In the second week in June, she yielded 126 quarts of milk, beer measure, at the rate of 18 quarts per day for that time.
48. Cow. C. C. Sewall, Danvers. From the

26th of June, in 95 days she gave 3159 lbs. or 1275 quarts beer measure. The grestest quantity in one weck was 116 quarts; in one day, 17 quarts, I pint.

The daily average quantity was 13 quarts.
49 Cow. Albert Johnson, Lynn. From 27th March, 1849, when she calved, to 25th September, 184 days, she produced 6540 lbs. of milk, or 2736 beer quarts, averaging nearly 15 quarts per day. The largest quantity any one day was 52 lbs. or 201 quarts. She had good pasturage until the drought in summer, and then some hay and one bag (four bushela) of shorts.

The account of this caw for part of the present year is as follows. From March 29th to September 30th, 186 days, she has given 6783 lbs. of milk, equal to 2714 quarts, averaging 141 quarts per day. largest quantity given in one day was May 9th, 513 lbs., equal to 201 quarts. She has been sick a part of the season, by browsing the leaves and branches of the black cherry tree, which has occasioned some diminution of her milk.

50. Cow. Charles F Putoam, Salem. From November 15, 1839, to November 13, 1840, she produced 4214 quarts of milk, beer measure, being an average of 12 quarts per day through the year. Mr. Putnam writes to me, "that the first month this summer, (1841,) with two quarts of meal per day, she averaged eighteen quarts of milk per day. I am confident that the cow will give twenty quarts per day in good fair feed. She was milked till within three weeks, and could have been milked to the time, of

52. Cow. Julius Smith, Cheshire, Conn. This heifer, two years old, averages 18 quarts of milk per

Spencer, Gulford, Conn. These cows average 14 quarts daily through the season.

54. Cows. Allen, Cheshire, Conn. Eight cows.

51. Cows. Alten Cheshitz, Colin. Light Cows. 55 quarts of milk each, buly.
55. Cow. Shelburn, Vt. Has yielded 26 quarts, beer measure, in a day; and at two milkings in 24 hours, produced 3 bs. 14 ez. of butter. This cowwas taised in Verment. Some persons, from her great product, call her English; but the admixtuo of blood is very small it any; and if any, it is not known, whether Durham, or Ayishire, or what. There is nothing but her color, which indicates any difference from our best formed native stock. She has some progeny by an Ayishire bull, which are very

56. Cow. S. Henshaw, Springfield, 173 lbs. of butter per week, and in one case, 21 lbs. of excellent butter. In 44 days, that is 4 days and one milk-ing she produced 14 lbs. 3 oz. of butter at the rate of 221 lbs per week. I had in a former publication marked this cow as a cross from a Durham bull; but I was misinformed. Mr. 11, tells me she was a nativo cow without mixture of foreign blood.

57. Cow. West Springfield. This cow in sixty days produced 26921 lbs. of nulk, averaging 44 5 6 this per day. This was equal to 221 quarta per day for that time. She repeatedly produced over 50 lbs. and sometimes 51 lbs. of milk per day. I have the

exact daily returns for the time.

58. Cow. O. Morris, Springfield. "The summer after she was seven years old, the quantity of butter made from her between the first day of April and the first of September, five months, was 206 lbs. During the time, we used milk and cream in the far-Lating the time, we used mix and cream in the nar-ily freely. Some weeks we have made 14 be, ex-clusive of milk and cream used for family purposes. I have often weighed her milk in the month of June, and she has frequently yielded 31 lbs. at one milking at night. We have been particular to have her milked in the summer at five o'clock in the morning and at seven o'clock in the evening, and always by the same person. I think much of regularity in the times of milking; and that one person only should be permitted to milk the same cow the same teason. My cow has always had a good milker, and her milk has been rapidly drawn. Her food in the winter is good hay, and in addition thereto from 2 to 4 quarts of Tyc bran at noon. I feed and give her water three times each day. In the summer, besides the pasture, she has 1 quarts of rve bran at night. From the experience I have had with this cow, I feel quite sure that many eaws which have been considered as quite ordinary, might, by kind and regular treatment, good and regu lar feeding and proper care in milking, have ranked

among the first-rate.

59. Cow. Roxbury. This cow, besides taking care of her call, produced 3975 beer quarts of milk in one year or before her next calving, which was within

the year.

60. Cows. J. P. Cushing, Watertown. "There has been no account kept of any of our native cows. Several of them, however, on grass, and also in tho winter (soon after calving) have given 20 quarts a day for a month or more. Several of our native cows, particularly two which you recommended, give a particularly two which you recommended, give a greater quantity of milk than any of cur imported cows, with a single exception."

61. Cow. Page. Danvers 13 lbs. butter in one

week: 30 ths. in three successive weeks.

62. Cow. B. Shurtleff, Chelsea. Supposed to be of the Galloway breed, small cow, has given 21

quarts per day.
63. Cow. Daniel Breed, Lynn. "She is six years old. She gives now (Nov. 19.) on grass and 13 peck of roots, six quarts of milk per day. She has not had any buy or meal this fall, and all the hay consumed by her last winter, was 2900 lbs. without meal. She calved last April, and comes in again March 12th. She gave in June an average of 45 lbs. of milk per day, and has given 2490 quarts the last seven months. She is milked until within a few days of her calving. What is remarkable about the cow is her small size, and its requiring so little food to pro-duce so much milk." The above measures are all alo and beer measure.

64. Cow. "George Goodnow, of Southborough, in the county of Worcester, keeps 10 cows upon his farm. He has kept an accurate account of The amount of their produce for a number of years. hutter made from these 10 cows in the season of 1839, was 2172 lbs. The amount sold 2028 lbs. The amount used in his family, 144 lbs. During the month of June, the same season, the 10 cows averaged 9 lbs. each per week on grass feed alone. He has a number of cowe that have made 113 lbs. from. After the lst of December he makes no butter, but sells his milk during the winter, the account of which has been mislaid. His calves suck till they are 7 weeks old, then they sre merselly slaughtered. The cowe sre dry from 2 to 3 months previously to calving. In the season of 1840, the botter made from 10 cows was 1955 lbs. Amount sold, 1831 lbs. Amount sold, 1831 lbs. Amount sold, 1831 lbs. Amount sold, 1831 lbs. In the said in the family, 134 lbs. Mr. G. had not footed the account for the present season, (1841,) but he said it would not probably vary much from the two previous years. The cows are all native. You may rely upon the above being correct."

65. From 30 cows in Cheshire, Berkshire county, all native cows, an average of 425 lbs. of new milk cheese has been produced to each cow, and 10 lbs. butter, or 300 lbs. in the whole in a season.

66. Two dairies in Cheshure: enco figlicows, produced 626 lbs. of new milk cheese, and 1700 lbs. of pork were made en the sune farm, half of which was to be credited to the cows; onco figlicows, produced 6324 lbs. of new milk cheese in a season, and 1000 lbs. of pork were made the same season on the same farm. Two quarts of rye meal were given to each cow two months the first of the season, and one quart for one month during the last of the season. Most of the time they had their whey to rich.

I might greatly enlarge this list by a mention of other native cows as remarkable as those to which I bave referred; but here I shall submit the case. -The beauty of the Improved Durham Short-Horns and their perfection of form are admirable. They come with good keeping early to maturity. They bave a tendency to keep themselves in good condition: and with extraordinary feeding and care, they arrive at a large size, and some individuals, all points considered, have surpassed any thing within my knowledge. The Cluremon: ox, a hulf-blood Durham, whose pedigree is not known, which was sent from this country to England for exhibition three years since, was pronounced by competent judges the finest animal of the kind ever seen there. His live weight was reported as not far from 3700 lbs. The Greenlund ox was nearly as beavy, and singularly beautifol. A native ox exhibited in Boston, in 1840, did not differ much from these in size, fulness, and weight; but computed with them in appearance, he was misshapen and deformed. The Durham cowa, in general, especially the selected ones, which have been imported on account of these qualities, are large milkers; but their milk seems generally inferior as to richness or butyraceous properties. The milking properties of Mr. Whitney's stock at New Haven, are very remarkable. The Durham cows are large animals, and should be expected to scerete largely of milk; but many of them, however, are inferior as milkors; and, upon seculm and impartiel a view of the subject as I can take from my own personal observation, I cannot pronounce them, as a race distinguished and preferable to all others for the r dairy qualities. I have come to this conclusion with very strong prejudices in their favor; and as I measure my words in this case, I wish to be judged only by what I say .-Whenever a Short-Horn cow proves an inferior milker, the enthusiastic advocates of the race are pleased to tell us that it is because she hae no pedigree, and is not a herdbook animal; but admitting that her genealogy is somewhat mixed, it is singular that the virtues of the blood should not show themselves to a degree, and that the impurity or defect should always predominate. It is certain, however, that many mixed bloods have in every respect excelled many of the pure bloods.

In regard to what we call our native stock, in which various bloods and breeds are intermingled, many of them are indeed miscrable in appearance, in shape, in condition, and every other quality. This comes in general from neglect and indifference, because we kill or sell to the butcher our best calves, and commonly leave what we do attempt to raise, "to shift for themselves." Yet at the same time, without presumption I think, New England may challenge the world to produce finer teams of oxen, by fifties and hundreds of pairs, than are to be found at our cattleshows. Let any intelligent judge of stock go into Worcester county, Mass., into New Haven and Hart-ord counties, in Connecticut; or especially to Saccarappe, in Maine, where ox teams are constantly employed in earting lumber to Portland, and if he will find any superior oxen for labor and condition than are to be found there, he would do a signal favor to the agricultural public in letting us know where we may ook for them. I have seen none. I believe we sould search the world over in vain to find any.

Our native cows are of every variety, but there are several parts of the State where, though it cannot be said that any scientific or systematic improvement has been undertaken, yet by a long-continued selection from the best, whole families or breeds are to be found distinguished for their excellent properties as dairy stock. The list of native cows, which I have given, shows conclusively that we have those which, for the quantity of milk they give, are scarcely interior to any; and for the amount of butter and cheese which they produce are surpassed by none. The numbers referred to prove that they are not true.

Whether ony thing would be gained by substituting the Improved Short-Horne for our present stock, is, to say the least, questionable. The Short-Horne are great consumers. Though animals do not always consume in proportion to their size, yet this must be considered as a general rule. They require most-particular attention and liberal feeding to bring them to maturity, though we admit that they arrive at maturity early. Many of the Short-Horned premium young animals which have been exhibited at our eattle-shows have had the benefit of two wet-nurses for eix months. Most of our native culves are put off with two tens, and at eight or ten weeks old are turned adrift must pesture to live or die as they please. Our own stock has never had fair play, and if treated in the same manner as the best Short-Horn stock they would not perhaps fail so far behind them as might be supposed. Our postures are in general short and our winters long. A small race of cattle, therefore, and a more hardy stock would seem better adapted to our condition.

The London milk establishments are mainly supplied with the Short-Horns, because, it is sand, they give more milk, and siter becoming dry, take on flesh sooner than other races, and are therefore more easily discovered of to the butcher. The size of these animals would naturally indicate a larger yield of milk, and, at the same time, a greater consumption of foodbut the same time, a greater consumption of the consumption of foodbut the same little state of the same present the same present the same time, and deducting one hith, it does not much exceed the yield of some milk establishments among us. Besides, in the London daires, cows are not suffered to become with saft.

One of the most extraordinary Short-Horn cows known in England, it is said, produced 373 pounds of butter in 32 weeks; 17 pounds being the largest quantity made in any one week. This is quoted as quite remarkable; but thia, sa far as it goes, does not equal the Oakes, the Nourse, the Adams, or the Springfield cow. One of the best-informed and most Springfield cow. ardent advocates for the Short-Horns, the late Hemy Berry, remarks :- "That their milk does not contain the same proportionate quantity of butter as that from the Long-Horns, the Scotch cattle, or the De-vons, is probably true; but we have reason to believe that the difference has been much exaggerated, and is more than compensated by the additional quantity of milk." Whether this additional Whether this additional quantity of milk car. be procured without an additional quantity of food, is a question which naturally prises, but which I have no means of answering with confidence.

The quantity of ebeese made in a year from a cow in the celebrated cheese district of Wiltsbure, Eng. is thus stated. "The quantity of cheese that is made from each cow in this district is greater than is common in any other cheese-making country, sometimes as much as 4½ cwt., or 5 cwt. per cow, seldom lower than 3 cwt. Perhaps 3½ cwt. is a fair average in a good cheese-making year on every cow that calves in proper time." In the famous district of Cheshire in England, the average amount of cheese to a cow, is stated at 21 cwt. The old breed of Irish cattle, much valued for the dairy, will produce from 84 to 112 lbs. of butter per year; a very good cow will yield 14 cwt. that is 168 lbs. net. Of the Ayrahire cows, kept in the highest condition for giving milk, it is stated that the yearly average in milk may be 650 gallons or 2600 quarts, (wine measure I presume is intended) and 90 gallons will make 24 lbs, of butter, or 15 quarts (wine measure) to a pound. In another case it is said "that a well fed cow of a good breed, will produce on an average 180 lbs. of butter in the season; though the common calculation is 150 lbs. In the Epping district, where there is an indescriminate mixture of Devon, Suffolk, Leicester, Holderness and Scotch, the calculation in a well managed dairy amounts o 212 lbs, per year to a cow. In one case in Sussex, upon an actual trial, the cows produced only 136 lbs. per sesson."

As for then as we can depend on these accounts our own native cattle for dairy stock will not suffer by comparison with the best English stock of any of those races most distinguished for their milking pro-

Our notive cows are of every variety, but there are perties. Our own Cheshire cheese dairies certainly veral parts of the State where, though it cannot be yield the palm to none.

The cross of the Durham Short-Horns with the Devon hos produced in many oasse an excellent stock. But if of ne other value to the country, their introduction will prove an immense benefit by showing our farmers what can be done in improving the size, lorn, and cendition of their own stock, by a nost careful selection from the very best, by persevering attempts to smend defects and engraft good properties in the unimal constitution, and by constant care and good keeping.

It cannot be denied that a vast proportion of our cases are wretched in their form, health, and condition. There is no reason on the other hand to doubt that by breeding enly from the best on hoth sides, and by a liberal mode of keeping, we may produce a deiry stock, and a stock for labor, as well adapted to our pastures, climate, and hasbandry as can be found.—Perhaps I should be authorized to add for beef also, that is, producing as many pounds according to the expense of their keep. The sverage weight of bullocks elaughtered at Smithfield, the great cattle marks to f England, is 656 lbs. At Brigton in this county, the overage weight of oxen is 275 lbs., and of setere 630 lbs. each. The last is thought by some persons to be overrated. The weight used at Brighten is net weight; one hundred weight being now recknoded at 100 lbs. svoirdupois.

Sale of Cream Pot Stock,

At the Farm of S. Jaques, Charlestown, Mass., January 11th, 1842.

We annex a list of the animals sold, as numbered in the catalogue, with their ages and prices,
which they brought. The result created almost
universal disappointment. It was not in our power to attend the sale; but it is cause of much regret that, after the pains which Mr. Jaques has
taken to rear a race of animals whose richness of
milk peculiarly fitted them for dairy stock in New
England, there should so little reward have been
found for his exertions and so poor encouragement
presented to future efforts. That a bull of admirable character and points, for which, as we have
understood, 700 dollars have been more than once
offered, should be knocked off under the hammer,
for 61 dollars, is a sad disappointment.

The time of year for the sale was unfavorable. The high price of hay was against success; the scarcity of money still more against it. A forced sale, as this was understood to be, is afways unfavorable. How far the animals presented could be warranted sceare of the excellent properties of their ancestors, we are not able to say; and have learned that some doubts on this point operated essentially against them; but the extraordinary excellence, we mean especially the richness of the milk, of the best among them, there can be no question whatever. The fortunate owners of the best animals will, we hope, do them full justice. We only wish that Mr. Jaques could have found a more essential reward for his exertions than the satisfaction of having led the way; and we believe with much success, in endeavoring, on enlightened principles of breeding, to form out of the materials which we have at hand, a stock adapted to the purposes of the dairy and to the climate and pastures of New England.

		BULLS.		
No. on	Catalogue.	Name.	Age.	Price.
13.		Clyto,	2 yrs.	\$10
7.		Medium,	2 1.2	22
16.		Globe,	3-4	15
5.		Orange,	4 1-2	10
8.		Curvet,	2 1-2	28
3.		Don,	7	64
10.		Count,	3	23
12.		Silver,	2	26
[4.		Leo,	9	8
		HEIFERS.		
26.		Topaz,	1 3-4 yrs,	\$21
24.		Nymph,	1 1-2	14
30.		Ghent,	1 1-4	13

Cow GEM-not on the catalogue, was boughtat 165 dolls. BULL Brilliant, not on catalogue, 51 PURE SOUTH DOWN SHEEP-RAMS AND EWES. Lot of 4 sheep brought 12 dolls, each, 11

The manure on the farm sold for \$5,25 per cord, or 128 cubic feet. Book Farming-Agricultural Chemistry. " Strike but hear"-Aristides.

Professor Liebig has truly said that a perfect system of Agriculture cannot be understood without the application of scientific principles, as the whole system is pased on the exact acquaintance with the means of vezetable nutrition. The same learned author is establishing the doctrine

hat plants receive almost all their support from the atnosphere, has realized the astounding fact, that Agriculture the first of all arts and employments, and alnost the only one which is certain to give health and comfort to its vetary, is now in this age of great discovery and improvement, not only far behind almost every other art, but that it has not yet laid aside the swaddling clothes of its infancy.

Ask even a tolerably intelligent farmer what is the fault of sandy land, he will tell you it leaches the manure; but agricultural chemistry will tell him, and practical experiment confirm the fact, that manure does not infiltrate, unless it is where the superincumbent mass is too great to admit of the escape of its gasses to the atmosphere. The want of fertilizing power in sand is doubtless owing to its having no power to generate carbon, or to retain ammonia, for the food of the plants sown upon it; without the aid of lime, clay, or ashes; animal or vegetable manure will if constantly applied, supply the deficiency of the absent earths, but after its fermentation is over, the inertness of the sand again prevails.

It strikes us that there is nothing that our farmers understand so little, as the economy of manures; it is generally supposed that the more a field of corn is manured, the greater will be the crop; as Indian corn is one of the grossest feeders in vegetable life, it produces in proportion to the aliment it receives; but as that aliment comes from the atmosphere, a moderate quantity of the most stimulating manure properly applied, with a frequent stirring of the soil, will be found to produza a better growth than a larger frontum of the more

cultivator has no office to perform; but nature reverses this decision as actual experiment invariably proves .-The frequent stirring of the earth lets in the oxygen of the atmosphere, which is converted by the humus, in the soil into earlionic acid, to be absorved by the plants.

It should be the object of every farmer to understand the substances which go to form the plants he is about to cultivate, in order that he may know how to apply such substances to the soil as are found to be the inorganic constituents of the plant he proposes to grow. Hence, as wheat straw contains twice as much potash as barley straw, and barley straw twice as much as out straw; it

isto the interest of the farmer to spread his ashes on his wheat fallow, rather than on his oats. It is said that those plants which contain the least alkali, may be the longest cultivated on the same soil; hence by covering old meadows with a coat of ashes, you quicken fertility by restoring that potash which was carried off by the preceding crops. Lime is a constituent part of wheat; hence in those sections where there is no limestone, wheat only grows

well as a first crop. It would not succeed then, were it not for the presence of lime and potash in the ashes of the great mass of vegetable matter burned in clearing the land. The doctrine that humus is extracted from the soil by the roots of plants seems when submitted to a strict examination to be untenable. This opinion, that all ve-

getable nutriment comes from the atmosphere, seems of late to be corroborated by actual experiments in France. The Phalange a Fourier asserts on the best authority, that wheat has been grown to great perfection on a "pane of glass," without other aid or covering than a thin layer of wheat straw. In this case nature, seems wisely to provide in the debris of the plant, the elements for a perfect reproduction of the same plant by atmospheric aid alone. Hence the farmer should take the hint that wheat straw forms the most valuable base for manure to be returned to the wheat fallow; and that the straw alone if it could be properly distributed and retained on the sown surface, would while it prevented

When we reflect on the great developments which

winter killing, secure an abundant crop.

agricultural chemistry is now making for the benefit of agricultural economy; the now progressive march of our moral population in mental culture; we cannot but feel that the much wished for era, has commenced when two blades of grass are to be made to grow, where one now hardly vegetates; when instead of travelling a mile over the most fertile portion of the earth, without seeing more than two or three human tenements, with fields and fallows whose unpromising appearance hardly redeem them from the desert; we shall find every high road a continuous rambling village, animated by a rural population whose busy intelligence in the agricultural art, will offer to the eyo of the beholder the interesting spectacle of the maximum of vegetable production. The problem will then be solved of what a single acre can be made to produce, by examples without number. Waterloo, N. Y. S. W.

The Ontario Agricultural Society.
Will hold their nanual acceting and winter show at Canandaigua on Tuesday 8th Feb. current. We deeign, extraordinaries excepted, to be among the Live Stock on the occasion, not for exhibition, still less for premium; surely not, for we do'nt belong to the county: but that we may, if it be allowed us, have the pleasure of making the acquaintence of some of the best farmers in the State; and joining in the festivities of one of the best day's in the year, the Fermer's Holiday.

Premiums are then to be awarded, (three) on each srticle, on crops of Winter Whest, Indian Corn, Barley, Oats, Peas and White Beans. Next, three pre

clay, sandy, gravelly or otherewise. Of its location, whether level or rolling, protected by woods, orchards or hills. The manner the field has been cultivated for the last two years, whether any course of rotation of crops is pursued, and what; whether manured, and when, what quantity and of what kind. How many times plonged and when, deep or shallow, how many times harrowed. When sowed, what kind of seed, and how much; seed covered with a plough or harrow; what time ripe and harvested. Specimens of the wheat are to be exhibited to the Committe, Competitors on Indian Corn, Barley, Outs and Peas to produce like statements of soil, system of rotation, if any, preceding the crops, manure, how applied; when and how much, how ploughed, and number of times; quantity and kind of seed, when sowed or planted. What further culture; when ripe and har-

Competitors for premiums on Winter Wheat to pro-

duce written statements of the kind of soil, whether

vested, quantity of produce, accompanied with speci-Corn to be weighed, seventy five pounds of ears of corn sllowed for a bushel. Burley, Oute and Pess to be determined by standard

weight. Satisfactory evidence will be required, as to quantity of land, amount of crops, way ascertained, &c.

To be swarded by the Committee. In respect to roots etatement's in regard to the soil and culture are to be given as for corn-the roots are to be weighed after the tops are removed.

Six premiums are likewise to be awarded on red clover Seed-three to the farmers who produce the greatest quantity; three to the farmers, who produce the greatest quantity on an aerc.

The premiums on Animals we subjoin at large as their appearance now is not too late to induce competl-

On Animals. 41 For the hest yoke Oxen, fatted for slaugh-

ter, " the third best 44 For the best Cow, fatted for slaughter, " the second best " the third best do do do 47 For the hest Steer, under 4 years old, fatted for slaughter, the second Lest 44 2 tke third best do 50 For the best Heifer under 4 years old fatted for slaughter, do 44 the second best do " the third best ďэ 53 For the best Ram, reference to careass do do the second best 55 For the best six Sheep, fatted for slaughter, " the second best do do The Fet Cattle will be exhibited on the Public

will be exhibited in the lot adjaining the south west corner of the Public Square. All samples and specimens of Grain, Roots and Clover Seed, will be exhibited at the Court House.

Square, in front of the Court House. The Fat Sheep

Compelitors for premiums, are requested to have their Animals and other articles at the appointed places, and rendy for inspection, by 11 A. M.

Wind Mill.

The subjoined is from a gentlemen on whose good judgement and faith entire reliance may be placed. The best form of a wind mill must he of much importance in places where water power is wanting. Mn. HENRY COLMAN-

Sin-I observe in your first number the plan for a Horizontal Wind Mill, which is recommended superior to any form hitherto discovered. Should any person have occasion to ercet a wind mill, even in your distant part of the country, I think be would be well paid for his journey to Roxbury before he undertook it, to examine a plan of one for which Capt. Stephen Glover has abtained a potent. I believe there bee not been one erected yet on this plan; but I think he would grant any person the privilege to erect one, that it might be proved superior in simplicity and durability, and unaffected by gales or storms, and that it will run equally steady end rapid in a gentle breeze as in the gale.

I am with respect and ceteem,

For the New Genesee Furmer Durham Cows as Milkers.

Messes Editors-I noticed in the New Genesce Farmer of a few months ago, come remarks of Mr. Colman concerning Durham Cows as milkers. Mr. C. speaks well of the Durhams in most respects, but remarks that he yet wants the proof of their being the best breed of cattle for the dairy business. For my part. I am satisfied that they cannot be surpassed by any breed in America; and I think if Mr. Colman would lay aside all prejudice and take the pains to inform himself that I have, he would be of the same opinion that I am.

I was raised in the State of Vermont, where the dairy business was carried on extensively, and I have taken great pains to obtain information respecting this branch of business, and I can safely say that I bave never seen any breed of cattle that would equal the Durham for the dairy. I have some half, and three quarters blood, and some of my neighbors have the full bloods, and I challenge Mr. Colman or any other gentleman to produce their equal among native cows, in the quantity and quality of milk. I have a Durham heifer, two years and a half old, that has often given 31 quarts of milk per day, and that of a good quality; and I have some others almost equal to her. One of my neighbors has a full blood Durham cow that he values at \$300; he offers to give the cowif she will not average 32 quarts of milk per day, for a month at a time, and that of superior quality; the cow to have no other feed than a good pasture. I could mention a vast number of other cases to show the excellence of Durham Stock for the dairy. The question is well settled in the South part of Ohio.

Yours &c E. D. SMITH. Brown City, Ohio, 1841.

Remarks .- We are most willing to be enlightened, and are much obliged to Mr. Smith for the kind suggestion, "that if Mr. Colman would lay aside all prejudice and take the pains to inform himself that I (Mr. E. D. Smith) have, he would be of the same opinion." This is all charming; and Mr. Colman promises that he will do his best to follow his friend Smith's advice, and make some inquiry in regard to this new race of animals about which Mr. Smith speaks, and shout which poor Mr. Colman never heard before! Mr. C. cannot promise to lay aside all prejudice because he may be under its influence without being aware of it; but he humbly hopes his chance, being no dealer in cattle, to escape prejudice in this case may be about as fair as that of some of his Ohio friends, who have Improved Durham Short Horns to sell.

Mr. Colman has gone very fully into this subject in his Fourth Report on the Agriculture of Massa chusetts, in the chapter on Dairy Stock ; in which it will be seen that, without having had the honor of receiving Mr. Smith's card, he has virtually accepted his challenge to produce "native stock which equal the Durham Short Horns in the quantity and quality of their milk." This chapter from his report which has just issued from the press, is given at large in the New Genesee Farmer; and it will be seen then by the impartial observer, whether Mr. Colman stands fire or not, or whether he has been completely demolished by the sledge hammer of Mr. Smith-

Mr. Smith's communication is of the same character with many both verbal and written, with which Mr. Colman has been favored; and now let us see how much of it is fact and how much of it, we say it | The great advantage of dry over green wood is without any disrespect to Mr. Smith, is mere words.

The first fact stated in it then is this, "I have a Durham Heifer two years and a halfold that has often | ted as it becomes seasoned, as is proved by weigh-

few questions. Were these quarts beer quarts or wine quarts? because it makes a fifth part difference! How was the milk measured, in a quart measure, a gallon measure, or a pail? How often has this cow done this; twice, era week, or a month? How was she fed at this time? How did Mr. Smith determine the quality of the milk? Did he make butter, and did he ascertain how much butter she would make to a quart of milk or in a week or a month; and if he did why did he not state it? The only test of the good quality of milk is in the butter, which it produces? Again, Mr. Smith says "he has some others almost equal to her." The common saying is that almost is more than half! What does Mr. Smith mean by it? does he mean any thing more than that they are a little mere than half as good? and if so, and it he knows what they are, why does he not give us some actual measurement in the case?

The second fact, which Mr. Smith states, is that "one of his neighbors has a full blood cow that he values at three hundred dollars; he offers to give the cow, if she will not average thirty-two quarts of milk per day for a month at a time, and that of a superior quality, and the cow to have no feed excepting that of good pasture." Now all this is just such flummery as we hear every day. Who is this neighbor? Will he give his bond or his word of honor to do this? Does he mean beer quarts or wine quarts? Why does he not try the cow without a bet ? He can do it without much trouble. Why does he not see how much butter she will make in a week or a month, and let us know the fact, so that there can be no possibility of mistake or deception? We do not say that he states what is false; we do not know that this cow will not do this and more than this; but we do say, that there will be no difficulty in his getting three hundred dollars for his cow if she will do what is here stated, and if her pedigree is genuine. It is said that Mr. Clay in Kentucky got two thousand dollars for a cow, which certainly did not promise better than this.

Again we should like to ask Mr. Smith, if these extraordinary properties are characteristic of the breed, why we do not have more of these gifted animals among the Short Horns It is one thing to find extraordinary individuals and another a whole race. Will Mr. Smith inform us likewise, if this is the best race in Great Britain, why the first farmer in England Mr. Coke (Lord Holkham) prefers another race? and in the next place why the Herefordshires take the prizes at the English Cattle Shows as often as the Durhams?

Now Mr. Smith may be assured, that we have no prejudice against the Durhams. We admire them and mean to do them ample justice. We cannot see any reason why he or our triend Allen should erect their quills and dart their hard looks at us in this manner. We have no Short Horns to sell. A burnt child dreads the fire; and we shall not try again. If Mr. Smith has any valuable and well authenticated facts to communicate, we shall be most happy to receive them. As to "guesses, and almosts, and challenges," we have little regard for them; and have seen in our day as much of cow-jockeying as horsejockeying.

Fuel.

Farmers who drive instead of being driven by their business, will be busily occupied in winter in drawing and cutting up their wood for summer use. generally understood. Green wood usually contains at least one third of water which is evaporagiven this ty-one quarts of milk per day, and that of a ling it: this amounts to several barrels of water in

wasted, generally at least one-half. The only case in which green wood can ever be tolerated, is where the draft is so strong up the chimney, as to carry off the greater part of the heat; as in fireplaces, and badly constructed stoves. But in stoves where the draft can be closed both above and below the fire to prevent this sweeping of heat up the pipe, the use of well-seasoned wood will be found a matter of great economy.

Small stove-wood, cut up green in winter and placed in an airy wood-house, will be well seasoned by mid-summer; but larger wood requires more time. Large wood, seasoned two or three years, is decidedly better than if seasoned but one year. These who have not spacious wood-houses, where quantities may be stored, should place their wood for seasoning where it will be most exposed to the heat of the sun, and the action of the winds. And if protected entirely from rain by a covering of boards, it will be much better. The superiority of wood thus secured in seasoning to that corded up in shady woods as is frequently done, is very great. Indeed, the less compact woods, as elm, black ash, and soft maple, are comparatively worthless, unless thus thoroughly dried. J. J. T.

Roads. == Evergreens. == Seckel not ("Seckle") Pear .-- Mediterranean Wheat.

(In a letter from Cayaga county.) In the haste of writing my last letter, I forgot lo mention the operation of SCRAPING THE ROADS as soon as they are dry enough after the ground has been soaked, and the ruts become deep. Except THROWING OFF THE LOOSE STONES from the beaten track, there is nothing that improves them so much with the same amount of labor. It is true the effects may not be permanent in rainy weather; but the chances are much in its favor, and the expense is too small in propertion to the benefit, to constitute any valid objection.

When the roads are full of ruts and hubs, which happen more especially in the spring, it is very fatiguing for the team, and straining for loaded carriages to pass. In many districts, the overseers let the traveler work along over such obstructions in the best way he can-and for weeks and months -until the hoof and the wheel batter down the hubs, and gradually fill up the ruts, while one man with a scraper and a yoke of oxen, could make it all smooth throughout the whole district in half a day, or a day at the furthest. Work o this kind is a real labor-saving operation, evincing both intellect and benevolence; and entitling the overseer who directs it, in no slight degree to the respect and regard of the community.

A scraper of this kind is easily constructed of : plank 8 or 9 feet long, guarding the edge tha breaks the hubs, with a bar of iron.

In stiff clays, a heavy roller to precede the scraper, would render the operation more effectual

As Noah Webster has not given the word hub as we use it, a place in his Dictionary, I copy the following definition for the accommodation of you distant readers, from an article I wrote severa years ago.

HUBS-Such parts of a road as have been raise when muddy, by the hoofs of horses or cattle and have become hard by drying or freezing.

The trade in evergreens amongst us, is increas ing; and wagen loads from swamps of the neigh boring counties, are brought every spring and fa by pedlars who find a ready sale. It is quite a

parance of the country, especially in winter, I take the following suggestions.

Evergreens generally succeed best when set out the spring; and for this reason; a plant in a pippled condition is less hardy than when it is in erfect health. Besides the leaves of evergreens tain their sensibility throughout the year; and if e roots are much mutilated, or become dry in atumn, they must stand six months without nourhment.* Such a fast is too much for them. Even exiduous shrubs when taken from the woods at at season, not unfrequently die down to the root, hese however, may revive in spring, sending up ew stems; but no such resuscitation awnits the ine or the spruce. When their leaves fade and rop off, there is no hope of recovery.

But when an evergreen is transplanted in the pring, it has time to recover from its crippled tate, hefore the rough hand of winter assails it. Vithout delay it begins to acquire new roots and ourishment; and takes possession of the soil efore any adverse season approaches.

The roots of evergreeus generally incline to pread near the surface; and in this they should e indulged, and not loaded heavily with earth. Co secure the trees against wind, they should be vell fastened to good stakes firmly driven into the round.

To compensate them for the rich muck and moisture of the swamp, give them liberal supplies of thip-dirt, mixing it well with the soil; and water hem moderately in dry weather. A covering of caves or litter over the roots would be useful to revent the earth from caking or hardening, to rotect the shallow roots from the heat, and to assist in retaining the moisture.

Evergreens from the swamps or woods have to acquire new roots before they can flourish in arabel land. After the first year, they are generally out of danger from transplanting; but two or three years elapse before they send up vigorous shoots. On this account, they are much more likely to grow from the nursery than the swamp.

The most benutiful of our native evergreens, is the Balsam Fir. The White Pine, White Spruce, Red Spruce, and White Cedar of the swamps, are also fine; and the Hemlock and Red Cedar are likewise deserving of a place in the door-yard or shrubbery.

Pedlars of evergreens are not always to be trusted. Last fall, one of this enterprizing class, cal led on a friend of mine, and offered to sell him trees of a rare and extraordinary kind. He had purchased the seed on ship board, and raised them in a nursery of his own in a distant county. They were beautiful evergreens, bearing red berries! What an acquisition! My friend bought some, but learned in a few days they were the Red Spruce—probably from a swamp in Tompkins or Cortland county!

Laterence Scelel was a merchant of Philadelphia, distinguished for his wealth, public spirit, and benevolence; and always spelled his name in this manner. One of the streets of that city is dedicated to his memory. The original pear tree, bearing this name, was found on his farm about one mile above the confluence of the Delaware and Schuylkill rivers. It was still standing there eight or ten years ago, though somewhat decayed on one side. All pomologists who are averse to having their

names twisted out of shape, ought to assist us in for convenience and economy. Much attention is resisting such innovations.

I was conversing lately with a friend of mine from the neighborhood of Philadelphia, in regard to the Medilerrenean What, which he considered a very valuable kind; and we concluded that the writer* in the Farmer's Cubinet who thought it so inferior, must have meant some other sort. The editor of that paper ought to be competent to settle such disputes. He is "inclined to believe" it however, "a spring wheat which ripens in three months from the time of sowing", while my correspondents represent it as a winter wheat; and one of them remarks that it bears to be sowed "early" in autumn.

Since my former communication relative to this wheat was written, I have received a letter from a (third) correspondent, living remote from the others, and dated near Moore Hall, in Schuylkill township, Chester county. It contained the following postscript:

"Have you the Mediterranean Wheat? If not, get it."

Ploughing Matches.

I was gratified to see in your last number, the just and excellent remarks of Myron Adams, on these matches-where the man wins the prize, usually, who drives his horses most severely. In addition to what is there suggested, I would propose that the reward be given to the man whose work most nearly approaches that of a perfect ploughman in his common, every-day operations. The team should move quietly, moderately, steadily; and the furrows should be of uniform width and depth, handsomely turned, and as straight as a mathematical line. The object of these exhibitions, is to improve the art of ploughing; to render it what it should be, for every day work; and not for the purpose of wearing out horses by over driving. It is not the man who scratches over most ground in a given time, but he who does his work best, deserves commendation.

There is one other thing that needs attention on these occasions. The committees who superintend the work, can always find some man in the neighborhood, who has a field, full of stumps, stones, knolls, ditches, and so forth, and who, wishing, if possible, to save his own team the irksome job, would be very glad to have others plough it for him, and therefore offers it for the occasion. Instead of the worst, the best field should be selected; which public spirit, or money, or local pride, if nothing better, certainly ought to accomplish.

And just allow me one remark on the reports of fairs. We have had column after column, containing nothing but the information that A. B. has the fattest hog, and C. D. the finest calf, and E. F. the largest crop of corn, G. H. the heaviest crop of wheat, and I. J. K., &c. the second best of all these; but of what use is this information to the tens of thousands of readers of an agricultural paper? Five readers out of twenty thousand may know the individual named: and here the value of the report terminates. How large the crops were, or how they were raised, or what the size, quality, and breed of the animals were, we are wholly unable to determine. But if the amount of the product and the means by which it was obtained, were given, all would be more or less benefited.

Laying out Farms.

There is one department of agriculture very much neglected,—that is the laying out of farms

See New Gen, Far, Vol. 2, page 178,

for convenience and economy. Much attention is given to improvements in stock, in implements, in modes of culture, and in the construction of farm buildings, all of which are of the very first importance; but the proper disposition of the different fields of a farm, for the sake of economy in fencing, for convenience of access, and for a full command of pasture and protection of crops, has hardly received a word of attention in any of our agricultural journals.

Many farmers suppose that this business may be very quickly disposed of; and that a few minutes, or a few hours at most, will enable any man to plan the arrangement of his fields about right. But this is a great error.

Even where the farm is as simple in its shape and situation as can possibly be, which is that of a square or parallelogram, in a level country-there are many things to be considered in laying it out. In the first place, we all know that the fencing of a moderately sized farm costs generally, at least several hundred dollars; and it is very desirable to do it well, so as to protect every part of it, and at the same time use as little material as we can. To accomplish this, much will depend on the shape of the fields. A certain amount of material will enclose more land in the shape of a square, than in any other form.* Hence it is important that all the fields should be nearly square. The disposition of the lanes which lead to the field, is a matter of importance, in order that they be not of unnecessary length, and consequently require an unnecessary quantity of fencing, and occupy more land than is absolutely essential. But there are other considerations which may materially affect tbese rules.

For instance, it is exceedingly desirable that land of similar quality may be in one enclosure. Some may be naturally too wet for any thing but meadow or pasture; some portions of the farm may be much lighter than others, and susceptible of ploughing while others are not; and some may be sterile, and need all that can be done by manuring and ploughing-in green crops. All these kinds of soil should, as far as practicable, be enclosed, each in its separate boundary. The situation of surface drains, which are needed on all farms, and which should form a part of the boundary of field, may affect their shape. Facilities for irrigation, a practice of great importance in our comparatively dry climate, and greatly neglected, should also be taken into consideration. Convenience for watering cattle, and other minor particulars, are not to be forgotten. All of these should have their influence in laying out a farm, even if that farm be a paralellogram in a level country.

But in hilly countries, where farms are often of irregular shape, and where it is impossible that fields can be square, still more thought is required in their subdivision, which will perhaps require years of experience to perfect. But when fixed fences are once made, it is no casy matter to remove them, and hence it becomes important to ascertain beforehand where they should be. Much trouble may thus be saved, by a judicious weighing of advantages and difficulties. For instance, a farm road, which will be much used for heavy loads, should be hard, level, and short; and the shape of fields may conform considerably to the shape of fields. So with other particulars.

In a future number, I propose to carry out these hints somewhat into detail, and perhaps give a few plans in illustration.

J. J. T.

^{*}That is, without nourishment drawn through the proper organs—the spongioles. Moisture would be imbibed by the bark, as it would be by the skin of a bather; but this is insufficient to nourish the leaves, except in the most favorable

^{*}A circle and hexagon ore exceptions to this rule, but their introduction into plans of farms would be impracticaj ble, at least in most instances.



ROCHESTER, FEBRUARY, 1842

Monroe Agricultural Society, Notice.

The annual meeting of this Society will be held at the Arcade House, Rochester, on Saturday the 19th day of Feb. inst., at I o'clock; for the election of officers and the transaction of other important businessa general attendance is desired.

H. W. WARD, Sec.

We invite the particular attention of the Farmers to the above notice. Matters of interest are likely to be presented to the meeting and we hope every member will be in his place.

TO CORRESPONDENTS.

We respectfully solicit the continued aid of those persons, who have heretofore unriched the columns of the New Geneses Farmer with their communications. We solicit at the sams time the correspondence of all disposed to aid us, to whom our paper is sent. To those who thus favor us and desire it we shall be happy to send the paper free of charge. We should be glad to receive communications and propositions from persons willing to become regular correspondents for the New Genesee Farmer upon pecuniary compensation, engaging upon our part if the communications are what we want, we will pay for them as liberally as the circumstances of our paper admit. We have no pretensions to making our paper the best agricultural paper in the country; but we promise to make it as good as our ability and means will enable us to do. We shall not be sorry if others beat us. The competition will do good. Let us have a fair field. The success of a paper or a man is not to be considered in comparison with the advancement of the great cause of an Improved Husbandry. If we are distanced at the first heat, we will try again We will not be quarrelsome if we come out head and head. If the steed fails because the jockey does not know how to ride or to manage his horse, we think so far as we know the lad, he will at once dismount; but if not let him be thrown The judges we have no doubt will see fair play.

To the LADIES, or as good John Q. Adams would ssy, to the women, which we like much better; Why should not you help us? In the present number we have a letter from a female correspondent. We shall welcome as many as may be sent us, unless they should happen to contain a gentle offer of a nameless kind, which, whether willing or unwilling, we shall he compelled to decline for the simple reason that we are provided for. Our eo-laborer however, of whom we have not a print at hand or we should be tempted to give it in these days of ornamental typography, is still in an unfortunate baccalaureate condition, and all such letters, we shall hand over to him; with what success we cannot predict.

We should be glad to hear from our female friends on the subjects of gardening, floriculture, silk-raising bee management, poultry management, house-keeping, house-hold manufactures, the management of children or the management of husbands, and any thing which comes within their beneficent province of mending the manners, or mending the hearts, or mending the morals. They are the salt of the social body, without which it would soon dissolve in cor- eels, they have ceased to feel it by getting used to it.

E.cplanation.—The editor hopes it cannot be necessary to say that the January number was made up without his agency or knowledge, or he could not have admitted on the last page some kind notices of himself. which his friend Batcham, with the best intentions inserted.

For the New Genesee Farmer. Feeding Trough and Rack for Sheep.

MR. BATEHAM-I have seen several differently constructed Sheep Racks recommended in the agricultural papers, and have tried several. I have found some objection to all that I have seen. In this vicinity, where we do not feed exclusively on hay, but make use of straw, chaff, roots and bran, it is important that we have racks and troughs in which we can feed the different kinds of food in the same trough and rack. I used for several years the common board troughs for feeding chaff, roots, and bran, but they were not suited to straw or hay. Last winter I attempted to improve on my board trough by attaching a rack to it : and so combined I find it the most convenient that I have seen. It is cheep and light, so that it is easily removed; and if they are kept under cover in the season when they are not in use, they will last many

Description of the Ruck Trough .- Take pieces of timber three inches square and twenty-two inches long, and halve them together crosswise, so that the upper ends will be twenty two inches apart. Make three pair of them for one trough, one for each end and one for the middle. Put into them two boards 12 feet long, 11 inch thick; one 12 and the other 13 inches wide; put in the widest first and secure them fast to the timbers with nails and a board at each end. and you have the trough. Then bore holes one and one fourth inch in diameter, eight inches apart, and one inch from the outer edge of the board for the rack; make the sticks for the rack three feet long. I have used cedar for the rack sticks: they are sufficiently strong and are easily made. Split them one and a half inch square, take off the corners, insert one end in the holes and on the upper end put a board three inches wide with holes corresponding with the bottom, and you have a rack and trough complete. Persons feeding sheep, will find such a rack trough well worth their notice, if they feed hay and grain

The readers of the Farmer have reason to congratulate themselves on the arrangements that you have made in the editorial department. Mr. Colman is fovorably known as an agricultural writer, and his locating himself in the Genesee Valley will open to him a new field for his usefulness. While in the agricultural survey of Massachusetts he must have laid in a valuable stock of information, from which he may frequently draw, to the interest of the readers of the Farmer, and through its columns they can interchange opinions with him. And it is to be expected that he will frequently test the hospitalities of the farmers of the Genesee Valley, and that he may frequently call on the Wheatland farmers, where he frequently can on suc ... will receive a hearty welcome.

R. HARMON, Jr.

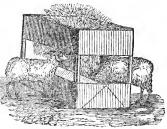
Wheatland, Dec., 1841.

Remarks on the above .- We feel obliged by the communication of our respected correspondent, and hope often to hear from him. We think his sheep rack, on some accounts, well contrived; but not the best mode. We object to all racks in feeding sheep or horses. The hay which is put into them protrudes itself between the stakes and is liable to be drawn out and trodden under feet. The position in which it obliges a horse to put his head, is an unnatural one, obliges a lorse to put his head, is an unhatural one, and must be a painful one, unless, like the skinned sels, they have ceased to feel it by getting used to it.

This objection does not apply so strongly to sheep; it wis of it, though the form is very common.

but they are equally liable to waste the hay from racks Another objection we have to it is, that if the sheep feed on both sides of it, as we suppose is intended their heads are brought too near together; and though in general peoceably inclined, we cannot entirely de pend either upon their natural temperament or thei good principles, to food quietly when placed in se close contact. We do not think, in the next plece that the rack proposed is made with so little expense and trouble as our friend suggests. We do not mean however, to object to his plan without offering to the judgment of the farmers, what we deem a better one It may not be however; but we have tried various kinds of bay-savers and mangers, and for sheep we prefer this to any other. We give it with the plate and description from our Fourth Report on the Agriculture of Massachusetts. It will be seen that by placing two pieces of board like an inverted trough. or like the saddle boards on the roof of a house. lengthwise of the manger, the bottom of the manger is divided into two troughs; and passing along as w€ have often done in feeding sheep, with a measure of eorn or a basket of cut vegetables, lengthwise of the manger and turning them up on this ridge they are divided nearly equally on each side. The trough is equally favorable to feeding bay; and is easily swept out and kept clean; and if not made too long and heavy, is without difficulty removed from one part of the yard to the other and placed under cover as may be required. The only objection we have heard made to it is, that the weel is liable to be rubbed off of the neck or throat of the sheep. We have not experienced this difficulty, and where sheep are in health their wool is not easily started.

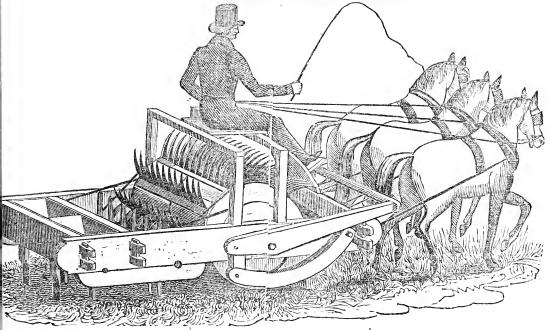
Hay-savers or mangers for feeding neat cattle in the yards, should be mere boxes, too high for them to think of stepping into them, and about five feet square. Four or more cattle can stand and feed at such a box without being able to quarrel by reaching each other from the opposite side, as they are likely to do, where the manger at which they are feeding is



Manger for Sheep .- Among the various racks and mangers which I have seen for feeding sheep, there is a simple form which seems preferable to any other: it is as cheaply constructed as any other, and it prevents all waste. In the common form of racks, where they are inclined cutward from the bottom upwards, nearly as much hay is drawn out and trodden under foot as is consumed by the sheep.

The manger which is preferable to any other is of

such length as to be easily moved by two persons, and is made with four or more upright posts, and with two boards or slats extending the whole distance round its The bottom board on the side may sides and ends. be ten or twelve inches in width; and above that, leaving a space of about a foot or fourteen inches, there may be another board of about six or eight inches in width. The width of the manger or box should be about two feet. It should have a tight bottom, with two pieces of board rising to a point in the centre, say about four or six inches, so as to form a trough on each side, into which when grain or cut vegetables are put, they may be easily reached by the sheep on the side on which they fall. The top may



Cylindric Tiller and Planter.

We publish the account of the Cylindric Tiller and Planter, because we would gladly give encouragement to every attempt and enterprise to abridge, alleviate, or facilitate labor. We know nothing of this machine other than from its advertisement. It would be premature to condemn it; but we should be glad to have some evidence that it had been tried; and were glad to learn that it had been successfully tried. It strikes us at first blush as promising a great-deal two much .-If it will pulverise the soil and put it into a condition for planting at the rate at which it professes to move, it will be an immense gain over any common mode of operation; but when in addition to all this, it promises with only one man, and he to ride upon the machine, to do the planting likewise, we confess we should hardly trust our fields to be sowed under such superintendence. We have seen and experimented upon various sowing machines; but we have never yet found any one, excepting the human hand, (the best upon the whole which has as yet been invented though not patented) which did not require constant watching; it would be liable to become elogged; or the dropper would not revolve; or the seed would become too damp and adhesive to run freely; or the bands would become too tight or too losse; or the hopper would become empty sooner than we were apprised of it; and many other incidents and accidents in such eases but too common. For the laborer therefore to be riding at his ease, driving three horses, and perhaps smoking his pipe at the same time, with a planting machine following him, is certainly not the most careful mode of executing this nice and most important operation of husbandry. The advertisement, and especially a part which we have taken the liberty to omit, where the machine is recommended as likely to attract young gentlemen to the pursuit of agriculture from the pleasure and amusement of this operation, is a little too much in the Panacea and Catholicon style, to induce the farmers to throw aside their ploughs in a hurry. We do not however, condemn the machine; and when it

has been fully and fuirly tried; and even half its professed merits established, we shall warmly and honestly recommend it. In the mean time we engage to keep ourselves cool; and "hearken to the evidence."

From the N. Y. Mechanic.

The Cylindric Tiller and Planter is the invention of Messrs. R. Porter and J. F. Schenerhorn, and as its name imports is designed for agricultural purposes; and in lands free from stumps and stones, is calculated to supercede the use of the Plough. It is composed of a strong wooden frame of about eight by eight and a half feet square, and in the forward part of which is fixed a cylinder, three feet in diameter, and about seven feet long, with twelve rows of sharp iron tecth, nine inches loag, and twelve in a row. In the rear of the cylinder is placed a shaft, to which is affixed eleven spiders of equal length with the teeth of the cylinder. In the rear of the spiders is placed a corn or cotton planter, and both the spiders and planters are connected by wheels and bands with the main cylinder.

This machine is so arranged that when put in motion, as the cylinder rolls forward, each tooth will enter the earth, at the precise point, that in the progress of the cylinder, will come in contact therewith at the point from which the tooth projects. Each row of teeth, as soon as they have penetrated the earth to their full length, begin to break up and raise a piece of the earth or make a furrow about nine inches wide, six feet long and six inches deep. This, as it is elevated, comes directly in contact with the spiders, which as they revolve break it to pieces and pulverize it. After this comes in play the corn or cotton planter, which first opens a furrow to receive the seed, which is then dropped from the hopper, and immediately after covered.

The corn and cotton planter can be removed at pleasure, and a drill substituted in its place to plant wheat, rice, or any small grains—and by removing it entirely, the cylinder and spider is well calculated to break up and prepare the soil for any crops—super, takero, or report events.

—sugar, tobacco, or root crops.

It is estimated, that with the Cylindric Tiller and Planter one hand, with a team of three good horses, will be able to prepare for planting and seeding, (and at the same time actually plant or seed.) twenty acres in a day, of corn, cotton, wheat, rice, or other grain. This calculation is law-sl on the

supposition, that the team moves at the rate of about two miles an hour, and reckoning the usual time that a farmer works when engaged in pleughing, which is over twelve hours a day. more than ten ploughmen, with ten teams can do, with the best of ploughs in the same time. may perhaps appear incredible, that the Cylindric Tiller should possess such great advantage over the common plough: but if we consider the irmease friction of the plough on every part where it comes in contact with the earth, besides the direet resistance it meets with, by the continual pressure of the earth against the plough share, from the time that it begins to raise the earth from the furrow, until it throws it over, and the dead pull by which the whole has to be effected, it must be acknowledged that no machine has ever been inveated, that requires so much power applied to it, to move a given weight, and works to so great disadvantage, as the plough. The Cylindric Tiller and Planter has also considerable friction, and requires some power in pressing and drawing one row of teeth in the ground, while it is elevating the earth with another, and breaking it to pieces with the spiders; yet it must be remembered that much of this friction in pressing the teeth into the ground, is overcome by the weight of the machine itself, and the leverage which the team has in revoting or rolling over the cylinder, gives it a vast advantage over the common plough, is raising the earth, and performing all its operations—and if a man can with ease force his spade into the ground nine inches, and raise a spade-full of earth, and turn it over, -and the power of one horse is equal to six men, it does not appear that it would require a very great effort for three horses with this machine, to turn over about twice nine spades-full, allowing the spade to be eight inches wide.

This machine will be of great advantage especially on the prairies of the west and the plains of the south, in which grain, cotton and sugar, ore the great staple produce of the country. It can be made and kept in order by a common Carpenter and Blacksmith, and purchased for what one surplus team and plough would sell for.

Information respecting the Cylindric Tiller, may be obtained from R. Porter, City of New York, or Mr. B. F. Schemerhorn, Delphi, Carrol County la Editors of papers who take an interest in agricultural improvements, are requested to give the above a notice in their papers.

Meeting of the New York State Agricultural Society at Albany Jan. 18th and 19th, 1842.

The New-York State Agricultural Society held its annual meeting in Albany on Wednesday and Thursday, the 18th and 19th inst. The Executive committee met for the transaction of business on Tucsday. in the hall of the Young Men's Association. The attendance was large, numbering from 150 to 200 of the enlightened and strong friends of agriculture from different parts of the State. The Chair was takon by Joel B. Nott, President of the Society, and s large number of the County Societies were representby their Presidents or by special delegates.

The room was hung round with well executed portraits of superior animals, chiefly of the Improved Durham Short Horns, and improved breeds of sheep, a large portion of them being portraits of animals belonging to E. P. Prentice, Treasurer of the Society, C. N. Bement of Albany, and other members of the Society. To an unpractised eye, accustomed to look only at the common herds and animals which are seen in our farm vards and pastures, these pictures would have been pronounced the mero fictions of the printer's imagination; but an actual examination of the animals themselves left no reason to oncetion his fidelity to truth and nature. The pictures ecemed as handsome as the painters art could make them; and the animals were quite as handsome as the pictures.

The President's table was at the same time covered with several valuable pieces of silver plate, a ten-pot of silver, and several cans and tumblers, which were to be bestowed on the fortunate competitors for prizes at the late Fair at Syracuse.

In a neighboring room was a large and handsome show of dairy products, presented for the premiums of the Society, and some samples of vegetable and grain erops.

Some skeins of silk likewise, produced and manufactured at the Auburn State Prison, were presented for the examination of the committee,

The reports of the several committees having been made, the premiums were duly swarded and presented, some in plate and others in cash. . These reports and awards will hereafter be duly given. At present not being familiar with the names either of the several committees or competitors, we enmot trust our memory to report them. We can only say we felt a little envy of the gentlemen who carried out of the room the brilliant trophies of their honorable success; and could not but imagine the charming and complimentary reception they might expect at their own domiciles, with such dazzling bribes in their

There was exhibited likewise, a most excellent and beautiful article of household manufacture, in a lady's bonnet, made of Manilla grass. Its fineness was not surpassed by snything of the kind we have ever seen. The Society voted to the fair artist a complimentary gratuity of five dollars. This was certainly well One gentleman, a bachelor we believe, and there was certainly strong internal evidence of the fact, commended the article, among other excellencies for its durability. "It was not a flimsey thing which would bear the wear only of a sesson, but was likely to endure for years." Just as though this would recommend it to our fair city ladies, or even to the farmers' daughters of one of our most secluded hamlets. Alas! how little does he know of female taste, when unless it goes by Harden's express, it is not certain that you could send a bonnet from New York to Buffalo before the fashion would be changed. One would suppose that this gentleman had just descended from one of the mountainous cantons in Switzerland, where the same woolen tiara and the same quilt ed petticost go down to daughters and grand daughgenerations.

The report of the Trensurer was received with much applause, announcing as it did, so different a condition of things from most other treasuries of the day, in stating that the S ciety had remaining in its coffers, after all its debt were paid, a balance of 828 dollars for future operations. In this day of universal emptiness, when there is scarcely a bar-keeper or toll-gatherer, who does not report embezzlement, or overissues, or suspension of payments, or necessity of a loan, or some new exchequer plan, or ask leave to issue treasury notes, this result produced such a shock as the assembly did not recover from for some time. For ourselves, we could only wender where this green hand of a treasurer could have lived in these days of financial discovery and improvement, and pray that no one would think of putting him into public life lest his good morals might be endangered. The great security is however, that the kind of tact, which he displayed, is not at all in demand just now. Promotion with such a man is well nigh hopeless.

The Report of the Corresponding Secretary was read, announcing that, in reply to his applications, he had received valuable communications from various distinguished gentlemen at home and abroad, for the volume of Transactions of the Society, now in a course of preparation for the press. His correspondence had been extensive and had met with a hearty response. Among others he had received a valuable communication from the Phillippine Isles.

On motion of Mr. Randall of Cortland, a committee to nominate officers was raised; and it was devolved on this committee to designate the time and place for holding the next annual state fair.

On the report of the committee, the following gentlemen were elected officers for the ensuing year. President.

JAS. S. WADSWORTH, of Livingston. Vice Presidents.

1st dis. JEREMIAH JOHNSON, Kings, 2d do Robert Denniston, Orange,

3d do Anthony Van Bergen, Green,

4th do John Savage, Washington.

5th do ORVILLE HUNGERFORD, Jefferson.

6th do GEO. I. PUMPELLY, Tioga.

7th do John M. Sherwood, Cavuga.

8th do L. B LANGWORTHY, Monroe.

II. S. RANDALL, Cortland, Cor. Sec.

LUTHER TUCKER, Albany, Rec. Sec.

EZRA P. PRENTICE, Albany, Treasurer.

Executive Committee.

Alexander Walsh, George Vail, Henry D. Grove, L'Amoreux, Albany.

The committee recommended that the annual state fair be held at Albany on the 28th and 29th September next. This proposition was subsequently modified so as to read Albany or its vicinity.

On motion of Mr. Johnson of Oneida, a dynamometer was directed to be purchased, and it was recom mended that the county societies each procure a simi-

On motion of Mr. Clarke, the executive committes was directed to offer premiums of gold medals. or plate, or their equivalent in money, for the best essay on subjects to be selected by them-

On motion of Mr. Morrell, of Tompkins, the thanka of the society were voted to the Young Men's Association, for the use of their rooms.

The thanks of the society were voted to the officers of last year, and the meeting adjourned, to meet at the capitol at 7 o'clock, P. M.

The Society having accomplished its business, met at the Capitol at 7 o'clock, where an address was delivered by Mr. Nott, the President of

ters, and a pair of wooden-shoes lasts through several | the Society. The address was excellent in manner and matter, and received with universal satisfaction. We shall attempt a brief sketch of it, but it must be very imperfect excepting as concerns its topics. A copy was requested for publication; and in due time we hope to lay it before our resders from the author's own hand.

> Many of the members of the Society and friends of Agriculture, in the evening, pertook of an elegant supper at the City Hotel- The company were honored by the presence of the Governor and other guests. The evening passed off with much bilarity : and presented a beautiful demonstration, that when the benevolent and patrictic affections are kindled in a generous and noble cause, as much healthful heat and exhiliration can be manufactured out of the crystal spring of pure water as ever flowed from the colored waters of Madeira or the sparkling and gushing fountains of Burgundy, and this too, without leaving any scorching, or cinders, or smuttiness behind.

The meeting was addressed in an effective, appropriate and agreeable manner by the President, the Governor, Gen. Leland, Alderman Joy of Albany, Judge Hungerford, Mr Walsh, and other gentlemen. and broke up seasonably in good fellowship, and with a more quickened zeal and a more fixed determination in the great objects of their association. So mote

But where are the broken glasses, and the upturned tables, and the smutty toasts, and the ribald songs, and the profane jests, and the vile taunts, and the fiery resentments, and the folly and the stupidity. and the leadings home and the disturbed households. and the violent headacha, and the bitter mortifications. and the quickened appetites for further and more degrading excesses, which constituted once the usual accompaniments and appendix of such evening entertainments. Thank God, they are among the things that were! They will senn be looked upon only as the fictions of romance; and gentlemen will feel that the very mention of them, is an imputation upon their honor.

Mr. Nott's Address at the Meeting of the State Agricultural Society of New York in the Capitol at Albany, on Thursday evening, 19th January, 1842.

We subjoin an imperfect report of this excellent address from our own imperfect and hasty notes taken at the time, under many disadvantages. We have sought only to give the topics and the sentiments, but we may have been so unfortunate as even to have mistaken or omitted these. In this naked condition Mr. Nott may not be able to recognize his own offspring; and we shall not charge it upon him if he Rensselser; John M'D. M'Intyre, and James does not choose to acknowledge it. Presently we may be so fortunate as to receive it in its full dress from his own brilliant wardrobe and perfumed toilet.

Mr. Nott commenced his address by stating that the First Meeting of the Agricultural Society of the State of New York awakened a strong interest and excited sanguine hopes of its ultimate success. But year after year, a small but gallant band of the friends of an improved agriculture had nothing to cheer them. They were compelled to struggle with many difficulties; but like chosen men placed upon the forlorn hope they were determined to triumph. There is a moral power in such a resolution, before which, ordinary obstacles at once retire. Their efforts have been successful. They are cheered with an actual and glorious triumph; and their path onward, is brightened with the confident hope of continued and extended successes. At one time they had neither the aid of the government nor the inspiriting favor of the people. But circumstances have changed. The Legislature have extended a helping hand; and the people urge them onward by acclamation

The great Pair at Syracuse, held in the last autumn,

was an unusual but a successful experiment. It much his imagination with the hope of a premium. The exceeded the expectations of its friends, in the animals which filled its pens, in the improved implements of husbandry exhibited for the inspection of farmers, and especially in the large collection of intelligent men, practical tillers of the soil, enlightened friends of agricultural improvement, collected there from all parts of the State, and in the presence of distinguished friends of egriculture from other parts of the country. Much credit is due to the moral courage of the gentlemen who undertook and so nobly effected this pioneer movement; much to the Government, who natronised the enterprise, and much to those high-minded individuals, who, in determining the place of meeting, yielded all personal and local claims; and to those friends of the cause in the vicinity, who contributed efficient aid to the successful accomplishment of the project. Every event which serves to elevate the condition of the industrial classes; every circumstance which strengthens our attachment to the soil; whatever contributes to increase and unfold the means of human subsistence and comfort, are of great moment. Shall a career commenced under such favorable auspices preceed? or shall it come to an unfavorable termination?

The first Agricultural Society in the State was formed by the patriots of the Revolution. They were wise men. Where have been found men more wise? We may be unconscious of our obligations, but we owe them a heavy debt of gratitude. The history of their efforts to promote the improvement of the agriculture of the State, forms a brilliant chapter in its history. The second Agricultural Society, formed in 1818, was not much better known, but its labors were highly valuable and important. They have passed away. Shall the Society of 1811 follow in their train? Our aim should be to render our labors not only brilliant but abiding. It remains to be seen how far the standing of its members will give it a moral influence. Our associates are in general from private life. As yet none of the Government have lent their aid to us; few of our legislators; and comparatively none from the learned professions.

Must agricultural societies fail? Is there within them an inherent principle of dissolution? Other soeieties flourish from age to age. Why should agricultural societies be debarred from a like immortality? Are we earth-born in our character? Something must depend upon the character of the people among whom these societies are established. If the people cannot be made to take an interest in them, and to perceive their utility and the advantages to accrue from them, they must decline. In some places they have been sustained. The seed has not always perished in the ground. The Highland Society of Scotland has continued to flourish for a long period. The Berkshire Society in Massachusetts wears a green old age. The people of the districts in which these societies exist, are remarkable for their agricultural thrift and skill. Is the duration of these societies attributable to some peculiar excellence in their management?

Our societies here have never reached the multitude. The present English Agricultural Society is a brilliant institution, formed on the model of the Highland Society of Scotland. Shall we concede to Berkshire superiority of intellect? We have not failed through deficiency of knowledge. The eminent success of these pattern societies is worthy of observation. Agricultural fairs have become interwoven with the habits and customs of the people. Men of business have looked forward to them to favor their operations. Men of leisure have expected their coming as a charming holiday and a delightful recreation. Age seeks them to renew the recollection of youthful labors and sports. Youth welcomes them with all its natural enthusiasm. The ploughman alone in his work, pleases

hind anticipates with an honest pride, the applauded exhibition of his cattle. Our path is indicated by experience. Men, from whom better things were to have been expected, have hitherto withheld their aid. The success of the Cattle Show at Syracuse has compelled an acknowledgement of their error. We must hold an annual Cattle Show. We must augment the amount and the number of our premiums. We must open the competition to all classes; the poor as well as the rich; the humble woman, who may choose to contend for your prizes by any exhibition of her household or rural skill and industry, as well as the rich capitalist; the humble laborer, as well as the great proprietor. We must encourage and stimulate every branch of domestic and rural labor. Our treasury is not empty, but our purposes require at least a thousand subscribers. Our list does not con-

tain half that number, and of this half, not more than

two thirds pay their annual assessment. It is supposed

that if the conditions of membership were enhanced,

the funds of the society would be increased; but the

terms should never be beyond the ability of the hum-One officer of the Society should be a salaried officer, on whom many active duties would necessarily devolve. It deserves inquiry, what would be the effeet of the establishment of a Board of Agriculture. the members of which should be expected to pay liberally to the funds of the society. There are men among us willing to serve every public cause. The temperance cause does not stand in need of bold advocates and indefatigable leaders. The Young Men's Association, whose objects are mutual improvement and the diffusion of knowledge, find those who are prompt to lend their aid. Such men should be made acquainted with the generous and public-spirited objects of our

In all our villages, literary and scientific associations have been established. They have enlisted the best talents to be found, in the advancement of their objects. Men of all descriptions, philosophers and poets have brought their contributions to these common fountains of instruction. This constitutes a popular university and renders knowledge every where accessible. It is to be feared that the farmer is behind hand; he does not do justice to himself, and other classes distance him in the race of improvement. We should seek especially to secure to the farmers opportunities and means for becoming acquainted with the principles of their own art.

If a board of agriculture should be established, its beneficial influences would be felt in the remotest valley of the state. Educated young men on leaving college find the learned prefessions crowded. They obtain only a very limited success; and must struggle with many difficulties in order to make their way. We find young men of all political ereeds, ready to abandon their pursuits and seek political preferment. This is a thorny path. To those who make political success a matter of profit or loss, we can point out a field where gain is far more certain. We should reject the notion that knowledge and education are thrown away in farming. If the farmer is desirous of taking rank with the highest in the community, it will not be difficult to accomplish this honorable ambition; and education will give dignity to his calling.

It is not inconsistent with the character of a farmer to be a man of taste. "Man made the town, God made the country." There is no reason why ornamental farming should not be cultivated; and it is not inconsistent with the highest regard to profit, to embellish our grounds and our habitations, and to render our homes as beautiful as a simple and most refined taste can make them. If these high accomplishments of taste and mental cultivation can reader no

service and are unfitting to an improved agriculture, then, as Cheever remarks, God cannot appear as an architect of practical wisdom, since his sky and earth are every where robed inbeauty. Every object around discloses in its exquisite formation, the goodness and glory of God; and the meanest flower gives thoughts too deep for utterance.

The agricultural life may be incompatible with the highest pursuits of science; these require the exclusive devotion of the life; for in this, as in all other cases, he who would woo the muses must bid farewell to professional eminence. But there are many practical formers as there are practical men in all other departments of life, who have distinguished themselves in knowledge and literature. Thompson and Cowper have sung the charms of rural life. How powerfully are rural pursuits adapted to awaken a strong interest. The pastoral life has been always deemed favorable to high and religious conceptions. One shepherd has poured forth his soul in the heliest and loftiest strains, " When I consider the heavens the work of thy fingers, the sun and moon, which thou hast ordained, what is man that thou art mindful of him, and the son of man that thou visitest him."

Agriculture presents no impediment to the cultivation of science and literature. The pursuit of agriculture has been too often deemed degrading. Johnson, in a tone of disdain, says of one "that his talk was of beeves." This was unworthy of him, and inconsistent with his notions of utility. The scale of rank, by which the pursuits of life have been graduated, was formed in times of war and in ages of ignor ance. The pursuits of men no longer lead to war; but to fields covered with the gifts of CERES and

We should seek to disabuse the public mind of these unworthy prejudices. We should raise our profession to its proper dignity; ner allow a lawyer or merchant to think that he loses easte by becoming a farmer. There are impediments to so desirable a result. In other pursuits men are stimulated by the rewards of applause or fame. The successful farmer is beyond the reach of these motives. He gains no fame; there are no offices of Lonor exclusively for him. A Board of Agriculture should occupy the same position to the agricultural societies as the Board of Regents to the schools and places of education. These suggestions should have weight with those who discuss this question. The Society, as already observed, should have a paid agent. It should have agricultural rooms-it sliould lay the foundation of an agricultural museum and library. The foreign press is teening with agricultural publications of an expensive character, which might prove of essential service to American Agriculture, but which are keyond the reach of most individual farmers. The American mechanic has done much by inventions for facilitating or improving labor, simple in their construction and excellent in their workmanship. Models of ingenious or improved agricultural implements, would furnish a store-house of invaluable instruction and benefit. Agricultural science and agricultural literature are sneered at by men, who suppose that a volume of veterinary medicine constitutes the whole of an agricultural library. The Edinburgh Quarterly Agricultural Review, one of the most able publications of the age, few men are competent to read understandingly; and few are capable of contributing an article worthy of its pages. It is singular that science should be deemed useless in agriculture, when it has availed so much in all other arts.

The union of seience with art has given to it a gigantic power and consummate skill. It has been displayed in preparing dyes and in weaving a web of exquisite tissue. Art under the guidance of science presses forward into the ocean of discovery. If we would grage the improvements of the arts in Europe, we must compare their condition with the condition of the arts in China. Europeans found on their first visit to China, a state of high improvement in the arts. But while Europe has advanced with a most rapid improvement, China has made no progress since the Cape of Good Hope was doubled by Vasco de Gama.

It is said that science has not yet done for Agriculture all she ought. It is because science has not as yet had it in its power to do more. We may expect the best results from agricultural chemisty. Its sun has just risen. Its level beams promise great advantages. The labors of Liebig encourage the strongest

hopes. The agricultural movements already made, and those which are yet to be made, are not in advance of what should be. The progress of the United States in other things must contribute to the advancement of agriculture. The progress of agriculture is a test of he moral progress of society. In the savage state, there is no agriculture. In the semi-barbarous there is little. If you will show us fields cultivated and adorned, we will show you a people intelligent and refined. War is most unfriendly to agriculture, which is eminently one of the arts of peace. It was saidthat France had no literature; she had only books on war. Peace has remedied this defect. The same may be said of us. We have farmers but no agriculture. We trust a few years will place us, in this matter, in

an advanced rank. If peace is preserved, agriculture must continue to advance among us. Why should agriculture remain stationary with us? The bible, that book of wisdom, speaks of a high state of agriculture as consequent upon a condition of peace. Should the prodiction of the prophet be realized, the desert place will be glad, and the wilderness will blossom like the Mr. Nott concluded his address with congratulating the Society on the uninterrupted harmony which had prevailed in their meeting; and had shown itself so eminently in the choice of officers; and in the decis-

ion respecting the place of the next Fair, a subject on which a division had been feared. This singular unanimity had served only to coment their union. Relying on this union, it should prompt us to be more zealous in laboring in this good cause.

New York State Agricultural Society.

We have received through the politeness of Mr. Tucker, the Recording Secretary, the official report of the competitors for the premiums of the Society. We regret that our limits do not allow of the full insertion of these reports ; but in abridging them we have sought to present the most important parts.

The Show of everything but Butter, was small -Of Butter, twenty lots, from different parts of the State, amounting to over 2,600 lbs.. were exhibited. Of Cheese, only six lots were presented, amounting. however, to about 2,000 lbs. There were but three competitors for the premiums on Whent-five on Oats-two on Indian Corn-two on Bule;-four en Potatoes-three on Knta Bagas-two on Sugar Beetsone on Carrots.

REPORT ON ROOT CROPS.

The committee found themselves exceedingly embairassed from the want of the formal ties required by the rules of the Sheiety, as well as by the want of evi

dence of the merits of the different applications. The committee unamimously reject all applications for premiums on crops that have been estimated by measuring a few rods or other small portion of the acre required by the rules, and which have not the evidence

of a carrect survey. S weral descriptions of the soil, manure used, labor and other expenses incurred in the results stated, are so imperfect that it was impossible to arrive at the comparative merits of the craps, as to expense-which defects can be remedied another year, by having blank forms made public through the agricultural press - No man should be allowed to compete for premiums, who is not liberal and patriotic enough in the great first cause of national prosperity, to put bimself in can of procuring t

Several of the rejected crops are meritorious, if the mere dictum of the growers was proof, and in several cases would have taken the first premiums, had these oversights been avoided.

The committee think it an act of justice to mention the crop of ruta baga turnips of Mr. F. P. Root of Sweden, Monroe county, reported as producing 1,200

bushels per acre, at 60 lbs. weight per bushel; also the crops of Mr. George Shaffer of Wheatland, Monper acre, at 60 lbs. per bushel.

The committee award. For potatoes-to Phineas Hardy of Le Ray, Jefferson co., first premium, for 472 bushels per acre, To 11. D. Grove of Hoosick, Rensselaer co.

second premium, for 440 bushels per acre, \$8.

For ruta baga—to W. B. Ludiow of Claverack, Columbia co., first premium, for 1.625 1.2 bushels per acre, \$15. To George Shaffer of Wheatland, Monroe co., second premium, for 552 bushels per

Sugar beet-to S. B. Voil of Mount Laurel Farm, Columbia co., first premium, for 559 bushels per acre, at 60 lbs per bushel, \$15. (The Reports of the Committees of the New York State Agricultural Society are in type, but

necessarily excluded this month for want of room.) English and American Agriculture Compared. MR. EDITOR .- To improve the condition of the cultivators of the soil, and increase the productiveness of the Earth-are objects well worthy the attention of the Philanthropist and Statesman, and it is highly gratifying to see the increasing interest that the ablest and best part of the community are taking in these persuits. We in this country can and are deriving much benefit from the many and valuable improvements and useful experiments made in England. Yet in introducing them here it is very esential that we should at first test them on a small scale, and prove them

the one well, will not do for the other. The length of the season for agricultural labor, the shortness and mildness of the winter, the low price of labor, the great value of land, and the high price of its products place the English farmer in very different eircumstances from us here. Our inquiry must be, how can we cultivate so as to give us the greatest return for our labor.

There it is, how can they increase the products of the soil, regardless of the expense. I am fully aware that the farmers in this section run over too much ground for the labor they have to bestow apon it. Yet I am equally confident if we were to apply the labor and expense per acre that is generally done in England in cultivating, we should not be compensated, the crops would not pay the expense. Here roots can be cultivated on a small scale to ad-

vantage, but never so extensively as in England. Our frequent drouths in summer, which cause so many failures of the crops, the soverity of our winters which makes it necessary to secure them all troin the frosts and the shortness of our autumns which allows so very little time for that business, all operate against the extensive cultivation of root-crops. How could the farmers in Western New-York manage to raise 50 or 60 acres of roots annually? Yet more than that ratio is profitably and easily cultivated in England. The horses which are considered to answer their purpose best, are not suitable for us; they generally keep two distinct breeds the one for the draft and the other for speed. Here it is very esential that we should unite both properties in the same animal.

Our Sheep husbandry too differs very essentially. There the great value of mutton and low price of wool make carease the principal chiect, and the fleece but a minor consideration. Here the fl-cce is the

at roles and the carriage of little consequen

There the primary object is to increase the size of the animsl and aptness to fatten, here the value of the fleece. Yet I think it would be well for us to unite both properties in our sheep, viz: fleece and mutton. In the breeding and feeding of neat cattle the

The certainty and ease with which they soon raise abundance of seed and food, the cheapness of labor, nee county, which purport to have produced 1,160 abundance of seed and food, the cheapness of labor, bushels of sugar beets and 603 1.2 bushels of carrots the great price of animals and high price of besf, make the heavy and fine breed of Durhams very profitable to the breeder, for it matters not what quantity of succulent food they consume, nor what amount of care they require—if they do but increase their weight the producer is remunerated. But it is very different with the husbandman here. The expense and dificulty in raising our roots compels us to use them sparingly;

and the high price of labor will not allow us to bestow

on them that care which these heavy and delicate

animals require, and if we should, sell these animals

difference between the too countries is yet greater.

for beef at the market value they are generally so low that they would not pay the expense. The tough and hardy animal that can feed in a dry and often scanty pasture, and live on costse forage is the most profitable one for us: Our neat stock have to consume our coarse forage and give us something for that which we cannot otherwise take to market.

Although we require hardy animals that can live without much expense. Yet I am confident that many, yes, very many of us do not pay that attention to them which we ought, even for profit, to say nothing of the cruelty of causing them to suffer severely from hunger and cold. The better we can feed with the food we have to give, and the more comfortable that we can keep our stock the more profitable they will be to us. Yours respectfully. Wheatland, Mon. Co. 1842. W. GARBUTT. thoroughly before we adopt them as our own; for We cannot say that we acquiese in the doctrines

there is so much difference in the situation of the above of our respected correspondent to any consider-Agriculturis s, in the two countries, that what answers able extent. We have not however in this case time to enter into the wide field into which the discussion of this subject would lead us. At some future occasion, we should be happy to treat the various positions that he assumes. To labor and capital judiciously applied, there is reason to believe that agriculture among us affords a most ample reward and would justify a much more liberal application of them than now prevails, either in the culture of our soil, the production of root crop-, or the rearing and maintaining the most improved and best live Stock, which can be procured at home or abroad.

In the mean time, we hope some of our intelligent correspondents will enter upon the various important topics suggested in Mr. Carbutt's letter and give us the lessons of their experience and the rich fruits o their wisdom. Silk Product.

We give with great pleasure the following amounts of silk produced the present season in Manheim, Lancaster Co., Pennsylvania, and communicated by Jno. M. Sumney, who, we hope, will lot us hear from him again. Our friend complains that his 'hand does not work well with the pen '; but he may be satisfied that it works so well at the reel. The prospects of the silk culture are constantly growing better. It must succeed, and fully meet all reasonable expectations.1 We need not be impatient. The multicaulis fog wil soon be off; and men will work by the clear light of - Herr has raised and realed 552 lbs. of Co-

Jno. M. Sumney has raised and recled 524 lbs. of

cocoons, and made 100 lbs, of silk. - Carson has raised and reeled 183 lbs. of cocoons.

John Wissler has raised and reeled 2642 lbs. of co-

coons, and made 12 lbs of silk.

-Deveuth has raised and reclad 190 lbs. of

- Shelly & Co. has raised and reeled 172 lbs. coconns, and made 153 lbs. of silk.

Many more have raised from 20 to 50 lbs. Mr. umney adds, that he will warrant his silk to be not qual but much batter than the best of Calcutta or alian silk, for quality and texture.

These, together with the facts stated by Dr. Deane, Greenfield, to be given in our next, and the reorts from the Auburn penitentiary, with many thers that have reached us, speak with an emphasis bich must command attention.

he Constitution of Wyoming County Agricultura! Society.

Recently formed, provides that their officers shall located one in each town in the county.

Any person can become a member of this Society, paying into the Treasury, fifty cents annually, and aubscribing to this Constitution.

The funds of the Society shall be appropriated for ie encouragement of Agriculture and the Mechanic

OFFICERS OF THE SOCIETY. For President,

J. C. FERRIS, of Middlebury. For Vice Presidents, PETER PATTERSON, Esq., of Perry, EBENEZER P. BECK, of Sheldon,

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For Directors,

The Society holds its annual meeting on the Tuesav succeeding the third Monday in October.

NOTICES OF NEW PUBLICATIONS. NEW YORK STATE MECHANIC; under the direcon of the New York State Mechanics Association. ublished at Albany-weckly-by J. Mnnsell & lo .- at \$1,50 per annum -- in advance. Eight pages uarto.

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We welcome the above new co-laborers to the field and heartily wish them all the success they can desire for themselves. The field is white for the harvest; and the world is wide enough for us all. We have only to express our regret that so recently have they

- Melinger has raised and resled 160 lbs, of at some future time. We can say of all of them that their appearance is not fair only but respectable; and that they work wonderfully cheap. We hear continually that presently prices must come deten. It is rather difficult to imagine how the prices of agricultural periodicals are to go down any farther. There is no getting below the bottom unless we knock the hottom out. Where that will bring us, imagination does not venture to predict. The great consolation is that having got down, we need not live in continual fear of a lurther fall; and flat upon our backs, it can only be said of us that "we are looking up."

We welcome our old friend Fleet back again to the duties of 'auld lang syne', and are rejoiced to find him still fleet and sound, wind and limb.

The old Pioneers in the cause, the American Farmer at Baltimore, and its early condjutor, The New England Farmer in Boston, preserve a green old age, and hold the even tenor of their way. 'Honor to the brave.

The Albany Cultivator is still in its power and unstinted abundance, pouring out its monthly floods of intelligence and wise and judicious counsel; and moving on like the breaking-up team of the prophet with Its twelve voke of oxen.

We are looking daily for a Family Visito: from the Granite Hills, radiating with intelligence for and wide like the reflections in a sunny day from its own White Summits ; and burning with a warmth of zeal, which has made many a farmer in that region trickle, who never had his ice melted before.

Boston opens the year with a numerous family, and all healthy and hearty. The Boston Cultivator, under its intelligent editor, H. G. Meriam. The Farmer's Journal, edited with all the industry and experience of S. W. Cole, not unknown in the walks of agriculture. Add to these the Massachusetts Ploughman to which is united the Yankee Farmer, under the veteran Buckminster, full of practical lore, but who, unfortunate man ! as we learn from the New England Farmer, does not yet know how to spell his own name, as he is quoted the Massachusetts Plotoman. We shall give him up, if he does not find out his mistake soon.

Then there are the spare hands, the Boston Conrier and the Mercantile Journal always ready to lend a helping hand and able to do three days works in one. As to friend Sleeper's sound and useful agricultural address at Wcetbero, we had prepared a ootice of it for this paper but it is necessarily excluded. A men so wide awake to all good interests should be called any thing but Sleeper.

We had prepared to speak of other agricultural contemporaries, equally demanding our respect; but it would be idle, for it seems like noting the trees in a thick forest.

Effects of Increased Duties.

We quote an article from the New York Evening Post, depieting in strong colors, the evils which must fall upon the silk manufacturers in Lyons, from the impost by our government of 20 per cent, upon imported silks. There is, it is to be prosumed, no exagerated coloring in this picture. The operatives in the silk manufactories both of France and England, and so also of Chinn, are probably the worst paid and the worst fed of any class of laborers on the continent. We may, we must, if we are men, feel for them. Every benevolent mind deeply compassionates their condition; but the core of them and their relief be long to their own government and not to us. The situation of few of the manufacturers of any description, on any part of the European continent is better. They are all worked excessively and fare most hardly. come to band; and so recently have we ourselves come to band, that we cannot pay our personal respects to each of them. We may have this pleasure past relief. But have to remedy this, or even how to

alleviate it, is difficult to say. This is a problem for the solution of which the beart of the christian philanthropist aches with agony.

If all men were christians, and lived only and fully upon christian principles, if justice and the love of our neighbor prevaded every where, there would bo little of this suffering. There would be no occasion for laws other than what would be dictated by every nian's own heart and conscience. All penal enactments would be needless, and government would be felt by us only as the great law and power of gravitation are felt by us. But it is not so; and while the reigning spirit of christianity is universal love and universal equity, that of the world is universal selfishness and universal rapacity.

In such a condition of things, it seems idle to talk about free trade. There is not, nor is there likely to be, a civilized nation upon the earth where it exists : and for us to act upon a system of entire freedom of trade, would be only to crush our own industry, to arrest our own improvement, and to expose ourselves as helpless victims to the rapacity of other nations. If other nations were willing to receive the products of our industry without" impost, we might then cousent to admit theirs upon the same terms; but while they prohibit all competition with their labor, we should seek, in the same way, to protect and encourage ours. The only true independence of an individnal or a nation, lies in its power to supply its own wants; and this it should constantly seek to do.

We cannot, in this case, enter upon the great and vexed subject of protection. It would be a charming picture, if we could see all the nations of the world engaged in a free and unrestricted exchange and interchange of their various products. But at present, such a thing can exist only in the benevolent imagi, nation. In the present condition of society, nations are compelled to act upon the defensive, or suffer the bread to be taken from the mouths of their own children. The governments under which these unfortunate neople live and suffer, are responsible for a great portion of the misery to which they are reduced; and for that eystem of bloody tyranny by which they compel them to stifle their complaints, and to die in the agonies of starvation and famine.

Our movement in this matter may produce extreme distress, but it is the duty of their own governments to alleviate their sufferings, or by timely provision grevent them. There is not a single objection to be unged against the encouragement of our own manufactures in this case, but what would apply with equal force to the invention of any kind of art or machinery by which labor may be abridged and transferred, and consequently vast numbers be thrown out of employment. In the end, however, all such improvements redound as much to the herefit of the laboring as of other classes. It would not be difficult to show that the consequences of the free introduction of foreign luxuries, foreign silks, gewgaws, and wines into our country, if it could be examined in all its various influences, has been productive of more suffering or cvil in our country, tan the imposition of duties upon such articles can produce in Lyons or other manufacturing towns in France or England.

From the N. Y. Evening Post.

The following passage occurs in a letter written at Paris, for the London Examiner :

"After Paris, the greatest and most dangerous agglomeration of artizans is at Lyons, and these must be much affected by the 20 per cent increase of duty on silks imported into the United States, half the French export of silks going to that country. If to a thus diunnished demand for work, and consequently no hope of a rise in wages, be added dear bread and increased taxation, Lyone may give some trouble during the en-

with a mass of stupendous fortifications which might defy Bubylon aself in a state of insurrection. is not a weaver's garret at Lyons that has not a can-non's mouth looking down upon it, and all these most extensive for iffeations are said, like those of Paris, to have been erected against the foreign enemy! and to dear bread and diminished exports is now to be added the burden of increased taxation."

Such are the relations between countries in amity with each other, as it is called. The different governments of the world profess for each other, in their pubhe documents, the most 'friendly centiments;' not a diplomatic note is written from one minister to another, that is not as full of goodwill as a Moravian sermon; yet their whole conduct towards each other is but a selfish struggle for advantages, without regard to the sufferings it may cause. In the midst of these mutual professions of just ce, kindness, and benevo lence, one nation will, without any sort of scruple, adopt a messure which levels a deadly blow at the industry of another, and dooms a large portion of its hard-working inhabitants, the most helpless, as well as the most meritorious class, to starvation.

This is done with the utmost coolness and uncon eern; may it is made a matter of boast, if, in consequence of starvation of a few thousands in another country, it is thought that a remote possibility exists of enriching a few hundreds at home, and he who should speak of this as a wrong, or express any sympathy for those who are its victims, would be regardelby most men as a person of very superfine mora'itv.

America, for example, levies duties on the silks of France, which throw the inhabitants of populous French cities out of employment. In all the discuseions which have arisen upon the question, nobody we believe has thought this view of the subject worth the public attention. The great maxim of doing to others as we would have them do to us, has not been thought worthy of quoting in a question affecting the interests of another nation. Every government, it is said, should take care of its own subjects. As the world is now governed, this is done. When the people grow fierce with bunger, the government shoot their down. When the looms, which you hear clashing in every street of populous Lyons, ore stilled by the check which American laws have given to the exportation of silks, the starving weaver, to escape the cries of his children for whom he has no food, walks out into the streets, discontented with the order of society, and meets with others as discontented as himself. If they talk of their sufferings too loudly, and with demonstrations of impatience, they are prrested by men in Louis Philippe's uniform; if this does not restore tranquility, there are the batteries of the euclosing for-tifications ready to be opened upon them. What is the recipe of the British government for appeasing the tumults caused by the starvation of the British operatives? A detechment of the unlitary, powder and ball. It is thus that governments take care of their subjects when the legislation of other countries leaves them without bread

There is a numerous and respectable religious sect who bear their testimony against war, and peace societies have been formed all over our country, of which men of all denominations are members, including some of the greatest intellects of the age. Do not this sect and these societies, we have sometimes asked ourselves, mistake their true object, and have they not put the effect for the cause? Might not their exertions be better directed to do away that miserable contest of selfish legislation out of which spring so many misunderstan lings so many mutual discontents, so many rooted prejudices, of which actual war is but the natural consequence?

If we bring fumme upon the laborious classes in other countries, it matters little whether it is done by a statute or an invasion; it matters little whether we point against them the weapons of their own govern-ment or of our armies. The whole protective system, as it is called, is as much a system of mutual annoyance as a state of war; the evils it inflicts are certain. the benchts it brings are imaginary. It is a struggle between nations to do each other harm, to cut off the branches of in lustry by which each other's population is fed, to exclude cath other from the markets in which their industry meets its fair reward. It is a sleepless warfare upon each other's prosperity, as malignant and almost as harmful as if it were carried on with the sensible array of var, with ordinance and batteries, with fleets and embattled hosts. Its effect is to destroy property, to untibilate capital, to frustrate enterprise, to depopulate c ties, to bring sudden desti-tution noon whole provinces. The world will never enjoy durable peace until it ceases to be the general policy of nations.

On the Different Breeds of Sheep.

[CONCLUDED FROM OUR LAST.] In describing the Merino sheep, at may be advisable, previous to tracing their spread over other parts of the world, to give some account of them as they are

found in Spain, their native country.

I do not deem it at all essential, in doing this, to go

far back into the history of the Saracens, other than to mention that the leaving of the Moorish sovereigns has ever been the theme of most writers; and the costliness of their costume has, at all times, been dilated upon in all the glowing terms of fable and romance. The expulsions of the Saracens from Spain, de-

stroyed, however, the woollen manufactures of that country; and we are told that Ferdinand the 5th banished nearly one hundred thousand industrious people,

because they were Moors.

Phillip 3d, his successor, drove from Valentia one hundred and forty thousand of the Mahomedan inhabitants; and in the three following years six hundred thousand were expelled from Murcia, Seville, and Granada.

Notwithstanding the political changes of the country, the total loss of its manufactures, and the consequent neglect with which they were treated, the Merino sheep seem to have been perpetuated in all their

The sheep of Spain are divided into two great lasses-the Stationary and the Migratory

The Stationary sheep are those which remain the whole year on one farm or district; while the Migrarony, are those which are driven from one part of the country to another, periodically, in search of pas-

The Stationary sheep are said to consist of two distinct breeds, and a third or intermediate one. The first is the Chunah, and is altogether different from the Merino, being the breed of the peasant and small proprietor. The other principal breed of Stationary sheep is, the true Merino -and the third, which are found in every part of Spain, are a various mixed breed, the produce of the two former-the value depending upon the amount of the Merino blood in

The Migratory, or those which are driven to the mountains in the summer, and to the plains in the south of Spain in the winter, are the description of sheep by which so many countries have been enrichd, and the character of which it is here attempted to xplain. These, like the Stationary sheep, are divided into two classes, and are known as the Leonese, and the Sorians, which names they take from the different parts of the mountains to which they are driven. It is not the intention, here, to trace the operations of the sheep-breeders of Spain, or to give any account of the semi-sonual marches of these flocks, from one extremity of the kingdom to the other; though it is a subject well worthy the attention of the careful and judicious farmer, in as far as climate appears to be of the greatest importance. These two pears to be of the greatest importance. These two divisions of the Migratory sheep of Spain, viz: the Leonese and Somans, are again divided into particular breeds, as the Escurial, Gaudeloupe, Paulars, Infantudocs, and Negretti-the last being the largest and strongest of all the Spanish travelling sheep.

The general impression made by the Merino sheep, upon persons unacquainted with them, would be unfavorable; the legs being long, though small in the bone; the breast and back narrow; the sides somewhat flat; the shoulders and bosoms heavy; and a considerable portion of their weight, carried on their coarser parts. Both male and temale have a large tuft of hair growing on the forehead and cheeks, which should be always cut away previous to shearing: they have an extraordinary looseness of skin under the neck, which gives them a throutiness, which, in England, is looked upon as a bad property, while in Spain it is the very reverse, and esteemed as denoting a tendency both to wool and to a heavy ficece Such throatiness is said to be characteristic of no sptitude to fatten; but this appears to be a matter not considered of sufficient importance to call attention, the fleece being the only object

In noticing the importations of the Merino into England, which took place under the immediate pat-ronage of George the 3d, it is hardly necessary to give any account of the first lot of sucep which arrived in that country. They were picked up without that attention to selection, which forms so important an essential, and consequently fell very short of the expectation which had been raised upon them. An application was then made, directly to the Spanish government, for permission to purchase a small flock; and consent having been ootsmed, a limited number were

shearings was compared with the best sample of in ported Spanish wool, and it yielded not to them i any of the properties of tineness or felting. comparison was kept up for many years, with equall satisfactory results: and many of the most spirite breeders experimented upon the effects of crossing up on the various native breeds of England, reporting th results. There appears to have been a prejudice form ed against them, and it was thirteen years after the arrival of the Negretti flock, before it was though prudent to expose any of them to public sale. not my intention to detail the Merino mania which followed: it is enough to mention that a society we established, with Sir Joseph Banks as its Presiden with fifty-four Vice Presidents, and local committee in every county in England, Scotland, Wales, an Ireland: expensive premiums were awarded, ar every inducement offered to persuade the farme generally to give the preference to this breed of shee Their decay in the public estimation, however, be came as rapid and as extensive, as their value on the other hand had been overrated—and that for the mo-simple of all reasons. The British people ore, smong some other peculiarities, especially eaters of mutton and, to satte their tastes, every thing has been ove looked to produce a sheep for the butcher; and in the respect the Merino is entirely deficient. The carcadid not afford a remuneratory price, and they we consequently abandoned. Again, the British sho consequently abandoned. Again, the Drillen sub-wools, that is, the Southdown, &c. though not in u-for the finest of broadclothe, are equally valuable their respective departments of manufacture; whi the careass fetches the highest price with the grazie These two circumstances combined, produce the farmer a more certain, and, on the whole, a he ter remaneration than can possibly be gained by bree ing the Merino. They are, notwithstanding, a me valuable sheep, and yield a wool which, for finene and felting properties, is unequalled; and, thous literally given up in England, the Anglo-Merino mi occasionally be found in high perfection. Western, their especial patron, has paid every atte tion to them and has considerably improved his flee by a cross of the Saxony-Merino upon the original ir portation to England. This has been likewise th case with other breeders, not only in England, but Ireland also, where they are said to have improve

rather than deteriorated. The importation of the Merino into Saxony, too place in 1765; the Elector purchasing one hundr rams and two hundred ewes, of the most improv Spanish flocks, and placing them on one of his overaros, near Dresden. The prejudice against inn vation was strong, and the greatest difficulty prevention. ed in inducing the sheep masters to make any alte ation in the systems which they had imbibed. Elector, however, having assured himself that th could be naturalized without any deterioration in t quality of wool, took measures to carry out his vew which seem unworthy so good a cause-he compell those who occupied land under him, to buy a certe number of Merino sheep. This compulsory syste was happily of short duration; the farmers genera were brought to see their own interest; the natura zation of the Merino in Saxony was perfected; t breed rapidly increased; and after a few years t fleece of the Saxony Merino became superior in fir

ness and manufacturing properties, to that of t Spanish. One of the greatest causes, however, to the production of such results, was education. The Electronic control of the control o tion of such results, was education. aware that nothing could be done where ignoran prevailed, took the true and legitimate method of 1 moving this obstacle; and under the anspices of t government of Saxony, An Agricultural Schoc and other minor schools, for shepherds, were estalished; and publications, which plainly and intel gibly explained the real value and proper managemer not only of the Merino sheep, but of every other c scription of domestic live-stock, were distributed. T full accomplishment of his purpose, was the Electo. reward; and he had the gratification of knewing, th by this enlightened policy, he had assisted materia informing the foundation of the wealth and the happ

ness of his country.

It is impossible to pass over this example, withe calling the attention of the farmers of America, the most important of all subjects new agitating t minds of the reflective part of the agricultural popul tion I allude to the National Agricultural Assocition. Such results as those which have taken pla in Saxony, must necessarily follow a similar syste in this country: and it behooves every man, who h the least particle of patrotism in his blood, to star collected, of the Negretti breed, and shipped to Eng-land in 1731. The product of the second and third to this great National undertaking. No man show

nself especially a party to the work. There is no in or child in the whole community, whose interest not completely wound up in its being fully carried t—and no one can stand aloof, without being asred, that he is recreant to the interests of his family, d to the prosperity and independence of his coun-Every man may do a little merely talking up the subject, will go a long way towards its sure caolishment: the attention once led to it, its advantas must necessarily present themselves to view; and ery man, be his present opinions what they may, by itation, must accessarily prove himself a friend of e cause. But enough-the matter is in better and ore efficient hands.

I will now make some few observations on the Me-ne sheep in New South Wales. The climate of the untry seems better adapted to sheep, than any other et discovered on the globe; and from all accounts appears to operate so decidedly, as to be an excepon to the fundamental principle, of the paramount fluence of blood -- no sheep have been imported into nat country, without the most rapid improvement nmediately taking place, not only in the roundness and compactness of body, but in the fineness and eight of the fleece.

The history of the introduction of the Merino into is country, I will leave for the subject of my next es-UMBRA.

lomely but Good Advice to Readers and Editor.

Whoever reads the nanexed article, will not be urprised that we publish it. As far as our readrs are concerned, we shall not intrude upon their province and say that they ought to follow this ounsel. It is quite enough to receive advice at irst hands, without, what grammarians call a reluplication, and being advised to take advice. But for ourselves, we at once agree to our friend's proposition, that we should have a regular correscondent in every town, not only in the state, but n every town where our paper has the honor of being admitted, to whom we should send two copes; and who would, in return, agree to assist the circulation, and especially to furnish valuable information for its columns. But with a limited acquaintance, how shall we effect this, unless the friends of the cause volunteer? We hope they will do this in the spirit of our respected correspondent; and we promise to meet them full half-

It is said that on a certain occasion, a minister having named his text, "Who will go up with us to Ramoth Gilead to battle?" and repeating it once or twice with considerable emphasis, a sailor in the assembly, much vexed with the silence and apathy of the congregation, rose at once, and said with considerable feeling, that " if there was nobody else to go, he would go for one." Now having announced our text to our brother farmers, we hope we may find a good many all over the country, who will follow this brave fellow's example. It is in vain for the lead horse or the fille horse to think of drawing the load alone. Let us pull together.

Ma. EDITOR-I want every farmer in Western New York to become a subscriber for the New Genesee Farmer, and not only a subscriber, but also a constant reader. Brother farmers, who are now readers, what do you say, shall we bring this about? Yes WE ;-you reader, and I and all the rest of us ;-I am quite sure we can do it. Come, let us all put our shoulders to the wheel and try! But how? [will tell you. Every one of you, when you get through reading this communication, take this number of the Farmer in your pocket, go through your reighborhood and call upon every man to subscribe. Talk to him "like a book." Tell him how much you have been interested by the perusal of it; and how great the advantages that will result to him if he will only take see what the result will be. Let us count up, there are 20,000 of us now; well, I will agree to procure five, each of you will do the same, this will make 100,000; here we will rest our labours for the present, and if our new Editor "does the fair thing" this year, and "the old folks" conclude to let him stay, why next year we will double the list, that's all. 1 feel quite confident the New Genesee Farmer may be made to take a high rank among the agricultural papers of the United States, and that it will be conducted in a manner deserving of as extended a circulation as we can give to it.

But, Mr. Editor, I have said sufficient to your subscribers, now I have a plan to suggest for your consideration, which I think will not only add interest and usefulness to your paper, but also greatly increase the number of your subscribers. I propose that you appoint a regular correspondent in each town in Western New York, send him two copies of the Farmer, one for himself the other to be loaned or circulated by him to such farmers in his town as may not be subseribers, to be returned to the correspondent when read, and by him again loaned to some other person, and so proceed until every farmer in town shall at least have read one number annually. I cannot but think, that this plan would awaken a more general interest in the farming community towards agricultural papers, and have a tendency to do away a deeprooted prejudice which still exists among some of our most respectable farmers, against what is called "book farming." It would bring your paper to the notice of hundreds, yes thousands, who now know not that such a paper is published, and add many names to your list, which, except by this means, would never have been found there.

It will be the duty of the correspondent also, to report for your columns, accounts of extraordinary crops, animals, &c., and all matters he may think worth recording, and after the harvesting of each variety of produce, a brief report of the amount of the crop upon an average through the town.

I have several other things to say to you Mr. Editor, but lest my communication should take up too much of your space, or be passed over by the reader on account of its length, I shall refrain.

J. HORSFIELD.

Making Butter.

From a lady correspondent we have the following method of making butter, by first scalding the milk. The mode is sometimes called the Russian, sometimes the Scotch, and sometimes the English. It may just as well be called the American mode. for it has been long practised among us. Twentysix years ago we saw it in full practice in a dairy of a hundred cows, on the farm of Robert Smith, near Baltimore. It has much to recommend it, and especially from the sweetness of the cream, the milk not standing more than twenty four hours. or it may be twelve hours; from the ease and quickness with which the butter was usually brought, the churaing seldom requiring but few minutes; and lastly, from the inaproved quality of the skimmed milk, which by being heated, was thickened and made richer; and in the case above referred to, brought three cents a quart at the entrance of the city, where it was sold to a retail

MR. EDITOR-As there are many different ways of making butter, and each has its advocates and its opposers, I have thought the following would be of some service. It is copied from an old Ea glish work. ' The milk, instead of being put into it-even for one year-one cent a week is all it costs, I earthen pans, as with us, is poured into copper or

sider himself of not sufficient importance, to make and the money will never be missed from his purse. brass pans, well tinned, and after standing a cer-Come brother, subscriber, let us "put in" once, and | tain time, these pans are placed on stoves heated by charcoal. The heat causes the cream to rise in a few minutes to the surface of the milk in a thick consistence, called clotted cream. When it has remained a certain time on the stove, and has sufficiently warmed, it is returned into the dairy, and as soon as cold, the clotted cream is skimmed off. put into a large earthen bowl, and by the slight movement with the hands or a wooden spatula, is almost instantaneously converted into butter. Very little buttermilk of course, is pressed from the cream thus prepared, and what is, is remarkably rich." Almost every one has noticed that when milk is boiled, there is a scam rises upon it, and also that it has a very delicious taste. This method is certainly well worthy of a trial. HANNAH.

Farmer's Winter Memoranda.

The winter is now somewhat far speat, and farmers who wish to be well prepared for the coming of spring and its hundred labors must improve the time in making the following preparations; viz :--REPAIR ALL YOUR TOOLS.

Rakes, for horse and hand, should have broken teeth supplied :

Hoes, should be good, sharp, and have good handles; Forks. do. do

Ploughs-the wood should be sound, and the sharee good;

Harrows, culticators, rollers, should all be put in good condition ;

Carts and wagons prepared for use: Harness well repaired and oiled, and

Horses kept in good order to wear it when the time comes, by good, regular, and careful feeding. SEEDs of all kinds should now be obtained, clover, harley, corn, oats, &c., and of root crops, as beets, carrots, turnips; and don't forget the garden

GRAFTS of fine fruit may be procured; every man hould endeavor to add something each year to his stock, (as fruit stocks and farm stock, are the best kind of stocks a farmer can speculate in,) if he only spends half a day for the purpose in each year.

Grafting plasters may be now made-use 8 parts rosin, 4 of beeswax, and 3 of tallow, melted and spread on old cotton, or paper, to be warmed over a kettle of coals before applied.

Trim apple trees-old bearing trees-that have thick branches; and prune hardy grape vines; so that they may not grow so dense, and have finer fruit. And don't forget to tread round young fruit trees, when deep snow falls, to exclude the mice.

Repair fences, where practicable, especially where the boards have been loosened from the posts; and observe the same towards gates.

Fuel-get plenty and cut up for summer use ;

Manure-manufacture as much as you can, now, this winter; and procure

Plaster, for early spring sowing. J. J. T.

Important Suggestion, at this time of the year.

According to Liebig, (and the evidence of our seases, too,) a large portion of the valuable part of manure, escapes from stables and other places of collection, in the form of gaseous ammonia. Now by strewing the floors of stables with gypsum, this gaseous manure immediately combines with the sulphuric acid of the gypsum, forming a solid compound, destitute of smell, and of great value as manure. The offensive odor is destroyed and the manure is retained. Those who have tight stables may successfully try this with great

At a late Agricultural meeting in Augusta Me., Dr. Bates stated that the Quakers in Fairfield were in the habit of buying the best description of coarse salt and cleansing it, and having it ground, and this salt they used in the manufacture of butter. The consequence was the butter made by the Quakers of Fairfield, had a better reputation and hore a higher price than the butter made in other towns. up as worthy of imitation. He stated that the loss of the butter manufactured in this State was greater in amount every year than the sum taised for the State tax-more than two hundred thousand dollars. He believed that, if this fact was generally nuderstood, if the people could be made aware of the loss incurred by bad manufacture, we should at once see an improvement in this article of which is so much produced and which enter into our daily consumption .- Maine Farmer.

Hung or Bried Beef. The practice of a successful farmer, is as follows:

Eight oz. of salt, I made into Two oz. of sult-petre, & brine.

This quantity, to be applied to ten lbs. of beef. It should lay in the brine four weeks; and then be hung up in the kitchen to dry. In summer to preserve it from insects, it should be tied up in a linen cloth.

YEAST .- Boil one pound of good flour, a quarter of a pound of brown sugar, and a little salt, in two gallons of water for an hour; let it afterwards stand until it becomes milk warm, bottle it and cork it close. It will be fit for use in twenty-four hours. One pint of this will make eighteen pounds of brea I .- [Lady's Annual Reg.]

The oftener carpets are shaken, the longer they wear ; the dirt that collects under them, grinds out the threads.

See that the beef and pork are always under brine; and that the brine is sweet and clean.

Agents for the New Genesee Farmer. In addition to the numerous Postmasters and other friends of Agriculture who have kindly aided the Circulation of this paper, the following persons will re ceive Subscriptions in their different towns and eities Boston, Mass. Messis Little and Brown; Ruggles

Nourse and Mason; Hovey & Co.

Newburyport, Mass. J. Colman,

Worcester Clarendon Harris,

Lowell. D. B.sby, ..

Salam. John M. Ives; Francis Putman, Greenfield, 6.4 Junes Denne.

6.6

Lynn. Charles Coolidge,

1.6 S. Proctor. Danverse,

Portsmouth, N. H. Nath'l March,

Providence, R. I. Hiram Fuller,

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[Full propietor of a well established and favorably situa
I tel Nursert Garden at Columbus, Ohio, wishes to reiage a xax of some experience in the bosines, to take the
management of the establishment, either as a partner, or
for a salary. Address, of by letter post-paid.

[A. LAZELLE.]

Columbus, Ohio, Feb. 1, 1511,

CLOVER AND TIMOTHY SEED. O^{F} the best quality, free from foul seeds. For sale at the Seel Store, M. B. BATCHAM

GREAT SALE OF BLOODED STOCK.

Fropose to rell by Public Auction, on Theslay 29th
March, at my fara in Greece, adjoining the Eric Canal,
six miles wested Rachester, all my blooded and grade shock,
including my choice Durium Cattle, Herses, Leicester,
Sheep and thugs, the partnerines of which, with pedigrees of
the same, will be given at a future day.

FIO'S WEDDLE.

A FID'S
A charte Land, satisfied only about 1 nonthe created of the flavorishing city of Rochester, N. Y on the
adding from Almono street cast, and future
controlled and the water, Ac.
For further particular, water, Ac.
For further particular, water, Ac.
For further particular, and graces—a
forester, Dic. 25th, 121.

Importance of the quality of the Salt used in Rochester Seed Store and Agricul-making Butter.

TRIFE REPOSSIONY,

THE proprient of the establishment, would now inform

In streams, that having relamquished the charge of the

New Genesse Fermer, to later lumbs, he will hereafter

devote his whole atten non to the business of the Store,

consident that he will thereby give increased satisfaction to

his customers. A full supply of nearly all kinds of SEIDS

are now on hand for the coloniag season; part of them raised in this vicinity the past season, by C, F Cossava and

other careful seed-growers, and the rest outshool from the

most respectable foreign sources. Knowing that success in

this lumines must deep of an merit, creat pains will be taken

be and the best quality.

Of Aspectation of the property of the property

knas and the test quarty. Of Americal Floors, Δc , there is a good supply on hand, but many more will be obtained in the spring, when it is intended to enlarge the establishment so as to allow more room for this class of artistical to the contract of the contract of

Mincharts will be supplied with seeds for retailing, at very low prices. The usual number of Agents will receive assortments on commission as heretofore, during the win-

TCATALOGUES WIll be furnished soon.

Rochester, Teb. 1842. M. B. BATEHAM.

FRFIT TREES,
THE subscriber is tow prepared to furnish is large or
small quantities, the fused varieties of fruit frees,
Flowering Stribs, Herbaccous plants, Bullous Flower,
tords, Double Dabbas, Green house plants, Ac. &c. Also,
GARDEN SPEDS, raised by the propertor at the Rochester Seed Graden, and put up in boxes or prackages
to order; all of which are warranted genuine as represented,
and of superror quality. superior quality, ers for the Spring, will be promptly attended to on

Orders for the ery liberal terms, when accompanied with cash or satisfac

ery hoeren weens, and the proprietor, when requested, Selections will be made by the proprietor, when requested, C. F. CRUEMAN.

THE NEW GENESEE FARMER, AND GARDINER'S JOURNAL.

Rochester, Peb. 1st, 1912

VOLUME THREE-FOR 1812. THE Cheapest Agricultural Paper in the Union = 6 Large Pages Montbly, (with engravings,) only 50 Cents per year!!

HENRY COLMAN, EDITOR.

(Late Agricultural Commissioner of the State of Massachusetts, and Editor of the New Eng. Furmer

(Late Agreement Ammissioner of the State by Massachusetts, and Editor of the New Eng. Furner) Grateful for the extensive patronage which the New General Farman has received during the partyer, the proprietor now has the satisfaction of axiometry ghat the has made such arrangements for the oming twent as a canot fail to be highly gratifying to the conference the paper, and seems for Destring to make it the most useful and widely circulating agricultural paper in the Cumon, the proprietor has engaged the services of the color agricultural gricultural grateful agricultural grateful agricultural space in the Cumon, the proprietor has engaged the services of the color agricultural grateful and restore. HENRY COLMAN, well known as the late Agricultural Commissions of the State of Massachusette, and founcily editor of the New England Farmer. Dependence of the State of the State and the Great West, Mr. Colman has concentrated to leave the field where he has laboured with his concentrated to leave the field where he has laboured with his concentrated to leave the field where he has laboured with his concentrated to leave the field where he has laboured with his concentrated to leave the field where he has laboured with his concentrated to leave the field where he has laboured with his concentrate to leave the field where he has laboured with his concentrated to leave the field where the has laboured with his concentration of the proprietor and the field where the has laboured with a concentration of the field where the majority and the concentration of the decision of the proprietor and the field where the has laboured to the proprietor of the proprietor of the state of the proprietor of the proprietor

borhoods, If Persons ordering papers are requested to strictly observe the Terms, and be careful to wri e plainty the names of subscribers, their Pest Ofre, County, and State; and in all cases, to send the money with the order, so that the perplexcases to send the money with the order, to share ity of keeping accounts may be avoided.

M. B. B. VICHAM, Proprietor,

TERM 4.—H current money is sent (such as New York r New England bills.) commission will be allowed as fol-

Seven copies, for \$5.00 Payment always to Twelve do, for \$5.00 made in advance. No commission will be allowed, if incurrent money is seen December 1 551. urrent money is sent.

BATEMAM & COLMAN Rackaster, N December 1, I-11. TEW CUSTOM MILL -The subscriber having taken the Whote Will an Will

NEW CUSTOM MILL—The subscriber having taken at the White Mill on Water Street, Loar side of the river for the purpose of running it as a Custom Mill world give notice that he is more prepared to do work in as short a time and as well as any Mill in Wessern, New York, and with his actilities and a close application to business, he is in hope of meriting and obtaining a share of public patronnee. WANTED immediately, 3000 lunched Wheat also Barley, Beaus, Oats, Peas, Grass Seed, Play, Flax Seed, Bristles, Beaus Cats, Peas, Grass Seed, Play, Flax Seed, Bristles, Beaus Cats, Peas, Grass Seed, Play, Flax Seed, Bristles, WANTED and first Fruit; for which the lightest market N.B. Flour will be at all times menufactured on the most reasonable terms for merchants or others who wish grain ground.

Rochester, January 1, 1-31. 3 no.

Rochester, January 1, 1-41. 3 m

MILLISH'S ROOT CUTTER.

Having for several years past had numerous inquiries! Machines to cut vegetables for feeding stock, and the bitherto obtained not giving perfect satisfaction, the subse

Interior histories and expressions of the subset in the rither than the rither that a vis to which a crank is attached; this wheel carn three knives set parallel to the face of the plate and rad-ting from the ceater, the vegetable presses against the kniv and their own weight keeps them within the stroke of t

knives.

They will cut more potatoes into thin slices in one hor than a man can cut in two days with a knife. I find the Vegetables cut in this machine, will noil in one noil t time, making a great saying of fuel and labor. The M tioe, making a great saving of fuel and labor. The M-chine cuts positions, turning, legga, cabbage stumps, (pun-kins and squasites, when broken, with case. The above given to answer the meany equities made, which is it best improvement or machine, for the safe preparing of y getables for freeling stock. For sale at the Rochester Seed Store—Price \$10, Jan. 1st, 18-12.

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CORN, 44	
OATS, " 28	31
BARLEY, " 44	50
RYE, " 53	5€
BEANS, White, " 624	75
POTATOES, " 25	28
APPLES, Desert,. " 25	38
FLOUR, Superfine, per bbl 5,00	5,25
" Fine, " 4,50	,
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PORK, Mess, " 8,00	
" Prime " 7.00	
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BEEF, per 100 lbs 2,50	
POULTRY,per lb 6	.,
EGGS,per dozen, I5	
BUTTER, Fresh., per pound 13	15
" Firkin, " 10	12
CHEESE, " 5	6
LARD, " 6	7
TALLOW, Clear, " 8	9
HIDES, Green " 5	
SHEEP SKINS 38	62
PEARL ASHES, 100 lbs 5,00	
POT. " " 5.25	
WOOL,pound, 30	40

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BATEHAM & COLMAN, Proprietors.

VOL. 3. ROCHESTER, MARCH, 1842. IIENRY COLMAN, Editor.

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e United States.

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PUBLISHERS NOTICES.

Can't Take It! verily these are troublowstimes. The Currency of the country is in a state of confounded confusion, and we are compelled to inform our distant friends that for the present, we cannot consent to receive the pramises to pay of the Banks in Pennsyivania, Ohio, Indiana, and Illinois. The Brokers retuse to purchase them, and we have no means of us-These circumstances will of course affect our circulation in those States for the present, but we hope this panic will not last many months. As soon as the Banks resume payment their bills will be received.

To our friends in this State and New England, e would say our dependence is upon you. Our Western patronage is now mostly cut off and we must rely upon you to make up the deficiency, from those States where the Currency is not so deranged.—Our increased expenses require, and we trust deserve, an increase of revenue.

Acknowledgements .- We cannot write letters of thanks to the numerous kind friends who have thus far nobly added us, but we hope they will not on that account do us the injustice to suppose that we are ungrateful or that their favors are forgotten. Without their sid this paper could not exist, and therefore the country is indebted to them for whatever benefits result from its circulation.

A Meeting of the Monroe Co. Agricultural Society,

Will be held at the Arcade, Rochester on Thursday the 17th inst, at 10 o'clk for the purpose of making out a list of premiums and appointing Awarding Committees for the next Annual Fair. This is a very important meeting and it is hoped that all who feel an interest in the Society, and especially all the officere, managers and town-committee men will be present. (See the list in another column.)

A Farmer's Dinner will be provided at the Arcade House-price 25 cents.

CORRESPONDENCE.

We cannot but feel highly gratified with the many kind letters which we have received, of which the following is an example, from one of the most intelligent and public spirited fermers in Western New York .-He will pardon us for omitting a portion more strictly personal. These letters proffer us a cordial welcome to Western New York, and invitations to visit the homes of the farmers who write them. For the welcome we are heartily thankful, and the invitations we accept with an equal pleasure. We desire no higher honor in this world than to be accounted the Farmers' Friend: and we can ask to render no higher service to our fellow men than to contribute what we can in inducing the larmers to form a just appreciation of the usefulness and dignity of their profession, to enjoy with a higher zest, its pure and honest satisfactions; and to improve and increase to their utmost capacity, its great, but as yet, not half explored advantages.

Letter I, Agricultural Improvement. MR. COLMAN :-

Be assured, Dear Sir, that you are not alone in the "pleasure" which you experience, "that the Editor is at home in Rochester," yet not so "at home in Rochester" it is hoped, that other parts of Western New York will not receive his visits; even farther West than Monroe County. For the "hespitalities" of "Niagara" will doubtless be as warm and as spontaneous, as those of "Wheatland" even. I am glad he "does not intend to stand much upon ceremony," for whether the "banns" be published or not, is of very little consequence, as that is not, in this state, a pre-requisite to the " nuptials."

It is to be hoped, however, that when the Editor goes abroad among our agricultural community; he will bear in mind that he is not in the "Old Bay State" where the lands have been cultivated more than two hundred years, and that too, with much skill and industry : but that he is in the "Genesee country," where for three fourths of that period, this whole region was inhabited, only by the red men of the forest. We are emphatically, in our agricultural youth, for, as a community, we have for the most part been able barely to pey the exorbitant price for our lands. -clear them of the unbroken and heavy forests,and support our families. As to the matter of ornamental improvements which so greatly abound in your native State, very little can be seen in this region ; although some few are beginning to feel a little comfortable in their circumstances. But the great majority of us are, or pretend we are, too poor, and teo much in debt, even, to pay fifty cents a year for an agricultural paper : and of course, you will not expect to find us very far advanced in scientific husbandry.

You will doubtless find, Mr. Editor, in the greater part of Western New York, that although we possess one of the most desirable agricultural districts in the world; yet, we cultivate our lands, not as science and wisdom would dictate.

One of the greatest errors of our practice, is the indifferent and slovenly manner in which we manage our crops.

A very general stupidity in regard to the idea of imprevenents in busbandry, prevails among us. If we raise from 15 to 20 bushels of wheat, 30 to 40 of corn, 100 or 180 of potatoes per acre, we are tolerably well satisfied, and trudge along in the old track of our fathers. And when we, perchance, hear that "somewhere down east," crops of grain are raised, double or triple to ours, we discredit the story, instead of enquiring how it was done.

But enough for the present, lest the Editor should feel discouraged, without even a visit to his new friend NIAGARA.

Thorn Hill, February, 1842.

We subjoin extracts from the kind letter of another correspondent, showing the most substantial proofs of his good will. We can only thank him, and promise J. W. W., will take due notice, and govern themto do our best to justify his good opinions, and make selves accordingly.

our paper worthy of his exertions. The exertions of our friends Cook and Horsefield remind us of a kindhearted Frenchman. A poor fellow had been burnt out and lest a large amount of property. A crowd of friends the ensuing morning were round him commiserating his misfortune, and saying very kindly that they pitied him. The Frenchman heard them with some little impatience. Oh! said he, my good friend, you all eay you pity this poor man ver much, but you no say how much. Now I pity him one piece linen; and gave the poor fellow a piece of linen .-This was real kindness; and if it did not savor too much of the shop, we should call this showing one's faith by one's works, a very commendable kind of religion in the apestle's time. We say nothing of modern improvements in this matter.

LETTER II.

A Friend in need, a Friend indeed.

MR. EDITOR :- In looking over the contents of the last Farmer, I was much pleased with a communication from your correspondent J. Horsefield, in which he calls upon all the readers of the Farmer to "take this No. and go through their neighborhood and call upon every man to subscribe." Well, agreeably to his plan. I took the paper and started, and in a short time I obtained ten subscribers, and in no cass was I under the necessity of urging them or "talking to them like a Book," but on examining the paper and learning the terms, they very willingly paid over to me fifty cents, with the request to have it forwarded immediately.

Your correspondent proposes that every one of the present subscribers should obtain five new ones. Now I most earnestly hope this request will be complied with; but I would not limit the number to five. I would say to every one, get all you can. If you cannot get but one, get that ; and if you can get five, ten or twenty, so much the better. I have already obtained ten, and I do not intend to stop here, but hope I shall soon be able to send you another list of names. If I could make my voice be heard by every Farmer in Western New York, I would say to them, take the Genesee Farmer, and not only take it but read it .-The benefits to be derived from it are very great, and its cost very small. It is our own paper, and we ought to use all our influence to sustain it.

I hope the subscription list for this volume will show that the farmers of Western New York give our new Editor a hearty welcome.

I am glad to learn that he is at home in Rochester. where I intend soon to give him a call and talk over matters and things; should it be consistent with his other engagements, I should be happy to have a call from him on my farm in Byren, Genesee County.

IRA COOK. Very respectfully, Yours,

Agricultural Chemistry.

The premiums of the New York State Agricultural Society for 1842, will appear in our next. They offer a premium of 100 dollars for the best Essay on Agricultural Chemistry, of which we hope our Eastern friends, S. L. D., and J. E. T., and C. F. J., and

Inquiry.--Indian Corn for Fodder. MR. EDITOR-

I wish to sow two or three acres of corn for the fodder, and not being acquainted with the crop, I should like to be informed as to the quantity of seed to be sown per acre, the time of sowing, the manner of tilling or putting in the crop, at what time the crop should be cut up, and all other little particulars concerning it, that I may be successful in the experiment.

If you will give the necessary information through your paper, you will afford many subscribers valuable information. If such a crop will produce from five to seven tons per acre-after being cured-as some persons pretend that it will, it would be well for farmers to understand it.

LEDYARD.

Cayuga Co., N. Y.

Remarks on the above .- The cultivation of Indian Corn for fodder may be well recommended to the farmers, especially where pasturage is deficient, or in a season where the crop of hay is likely to be small. Among the farmers who supply the cities with milk, it is a favorite crop, and is given to their cows at night and morning to assist a short pasture. In such eases it is sowed at successive seasons, every week or fortnight, so that the crop may be coming on as needed. It is sometimes cut when it is knee-high, and then in general it will start n second time, so that another cutting may be obtained. This should not, however, be confidently relied upon. Where it is wanted for green feed, it is of course advisable not to cut it until the plant is in perfection; we do not mean until the seed is ripened, but until the leaves and stems are as abundant and large as they are likely to be that is when the flower is protruded, and the ear formed, and yet no part of the plant has become too hard to be completely eaten up by the cattle. Every farmer, therefore, may make his calculation as to the time of planting. The earlier he plants, the sooner he will have the fodder and the more of it to give to his stock; and by planting at successive times according to his convenience, he may keep up a supply of succulent food to the very end of the season. None need be lost; and every leaf and stem of it should be saved, even after the frost has killed it.

We have seen the plant cultivated to great advantage for soiling cows; in many instances; in one where twenty cows were kept; in another where a hundred cows were soiled. In the latter ease several acres were sown with corn for this purpose; and it was cut and brought into the barn as wanted. There was no feed of which the stock were more fond; none which produced more milk; and none obtained at a less expense. It was all cut short by a machine, and while gathered green better than when left to ripen. It is believed that every particle of it was consumed. When in the autumn it became dry, it was steamed for the stock. Among the milk farmers, near the cities, its cultivation is constantly increasing.

We have known it likewise much used for store hogs. Where pasturage is deficient, or where they are kept in styes, no green food is more relished by them or more conducive to their thrift. In this case, however, it is of course given to them in a green and succulent state.

We have not known it cultivated extensively for winter fodder, but there is no reason why it should not be. In this case it would be desirable to sow it early, if we would have the largest crop, and let it come to what maturity it will. The value of ally, layers of wheat straw. The sweet flavor of well cured corn fodder for stock is settled. The the corn fodder is communicated in some measure cattle have determined the question long ago by to the straw; and the straw serves to keep the private opinion and judgment, and therefore by no

condition in which it keeps them. The amount of well dried corn fodder, including butts as well as tops, where the crop is fifty bushels, is generally estimated at two tons; this of the small yellow flint variety of corn : the southern gourd seed variety and the Western corn, produce a much larger amount. Farmers in general are disposed to estimate the fodder upon such an acre of corn, well saved, as equal for any neat stock, to one ton of English hay. Some place it at one and a half ton; none lower than three fourths of a ton.

The only instance, which has come within our knowledge, of ascertaining with any exactness the actual amount of fodder or stover upon an acre, was in Pennsylvania, where we infer the gourd seed variety was cultivated, and where the crop amounted to 66 bushels. In this case

Tons, cict, lbs. The blades, husks and tops, when cured, amounted to 13 Stalks and butts (10) 13 13

How much could be obtained by sowing it exclusively for fodder, we have no means of determining with any accuracy.

Nor have we any certain prescription to give as to the amount of seed to be used for an acre; cer. tainly not less than half a bushel, nor more than two bushels. Corn is a plant which, in rich soil, tillers abundantly or throws out many suckers, unless where it is very thickly sown, in which case it conforms to every other plant in its habits of growth, and runs up in a slender form like bushes in a thick swamp. Many persons advise to sow it broad cast, in which case it admits of no after cultivation; and the weeds, if the land is rich, will check its growth and fill the ground with their seeds. It is best to sow it in drills two feet apart, and quite thickly in the drills, scattering the seed over a space in the row, six inches or a foot in width. It may then be ploughed or passed through with a cultivator once at least; and in a measure kept clean from weeds. It is believed that as much fodder may in this way be obtained from an acre, as if sown broad cast.

The land cannot be made too rich for it; and it need not be gathered until it is ripe. There may be a good many imperfect and some ripened cars among it; but the cattle will not like it the less on that account. The Irishman was asked how he kent his horse so sleck and fat; and "faith! says honest Pat, he has nothing but whate straw, your honor, and that is not half threshed." It is a prevalent opinion that the top stalks of Indian corn when ent in a succulent state, and cured quite green, are this is an error; as the experience of observing farmers, we think, will show that their cattle do ter thrift, when fed upon the buttstalks, that is the leaves and husks upon the butts after the corn has been gathered, than upon the top stalks gathered and cured in a green state, as above described. The fodder need not then be harvested until it is, as it is termed, nearly dead ripe. Corn fodder when cut green, especially late in the season, is cured with great difficulty; but if left to stand until it is either killed by the frost or reaches maturity, it is as easily saved as hay. In putting away corn fodder, we have found it advantageous to insert occasion-

the relish with which they cat it; and the good corn fodder from being injured by heating. No fodder suffers more or sooner from wet or rain than corn fodder. Every possible pains should, therefore, be taken to avoid this; and it is a good way to hang as much of our corn fodder, as we have room for, on the beams and on poles extended over the barn floors, and in sheds where it will be out of the reach of the cattle.

As to the kind of corn to be sown, the Southern gourd-seed or the Western corn, will undoubtedly give the largest weight; but much of it will be in the butt, no part of which will the cattle cat. Our common Northern small flint corn will yield a large amount to the acre, as it will bear thick sowing; and the main stalk is not so large but that a good deal of it will be eaten, especially if cut up.

Improved Durham Short Horas as Milking Stock.

I subjoin a letter from Wm. K. Townsend, of New Haven, Conn., received since my Fourth Report of the Agriculture of Massachusetts was published. From this report an extract has been given, both in the number for February and in the January No., relating to DAIRY STOCK, in which the claims of this race are examined under the light of the fullest information which I had then obtained or could obtain. The reference made to the stock of Mr. Townsend in my Fourth Report, p 273. No. 7, was founded on the statement of the Committee on Farms of the New Haven Agricultural Society. Had his letter reached me in season, I should certainly have inserted it with

There can be no doubt of the authority of this letter. It is worthy of full confidence, and speaks well for the milking properties of this valuable race. The quantities of milk reported are remarkable. The statement however, is positive only as to three of the animals. "Lady," during the winter averaged 18 qts. per day, and in her prime and on full feed, gave 30 qts. per day. She was a selected cow.

"Favorite," her offspring, gave 22 qts. Having lost one teat, her greatest quantity since has been 24

"Beauty," the daughter of Favorite, and grand daughter of Lady, gave 10 qts. on the morning of the day when she calved, and after that increased to 30 qts. per day, at which rate she continued for six or eight weeks. It is not said whether the measure was beer or wine quarts, but I presume the latter; 30 wine quarts would be equal to about 21 beer quarts. If the milk was measured in the pail, little reliance can be placed upon the exactness of the measurement. This case presents one among the frequent examples of the indefiniteness with which statements of this nature are made. It would have been gratifying to have been told how the cows were kept.

In respect likewise, to the eight thorough bred Durhams, descendants from Lady, all, as Mr. T. says, superior milkers, and of whom he adds, we estimate their average yield for eight weeks after calving, at 21 qts. per day, on good feed; it will be seen that this is matbetter, prefer them, give more milk and show better altogether of estimate, not of ascertainment. It must therefore be set down as such.

It is to be recreited that Mr. T. has made no trial of the butter properties of the milk. The facts that "it brings the best price in the New Haven market," that his family deemed it richer than the milk of native cows, when placed side by side," that "the milkman pronounced it the richest he had ever carried to market,,' and that "some of his customers consider it the best they can procure," are all valuable as opinions or presumptions in the case; and certainly without the slightest disparagement to, but with the highest respect for the judgment of the gentleman, who certifies this account, it will be seen that these are all matters of

milk. This can only be certainly determined in the churn

It was said to me at the meeting of the State Society at Albany, by two or three triends, that it was understood that now the New Genesee Farmer would come out as the opponent of the Durham Short Horns. I answer that no man has either right or reason to say this. I do not choose to be put in this position. I am not the opponent of the Short Horns; far from it. 1 am an admirer of this race of animals. But I am the friend of truth in the case, and I shall go for facts, and seek, as honestly as I can, to make up my judgment; and shall have no hesitation in avowing that judgment, when it is made up; and shall not be ashamed to alter that judgment when I see occasion to alter it, even at the risk of being tossed upon the horns of these cattle as high as the most stiff-necked among them or their advocates can throw me.

East Haven, Con., Dec. 10, 1841.

MR. H. COLMAN-DEAR SIR-In compliance with your suggestion, communicated through H. Whitney, Esq., of New Haven, I will endeavor to give you a few statements respecting the quantity and quality of the milk from ny thorough bred Durham cows.

"Lady." from whom my stock originated, was purchased in England by Henry De Groot, Esq., in May, 1829, of Asahel Asheroft, Esq., of Bank Hale Farm, and was then four years old. She arrived in this country in July of that year, and on Dec. 29th, brought a fine heifer ealf-named Favorite. Lady, during the winter succeeding, averaged 18 quarts, and when in her prime gave, while in full milk on good feed, 30 quarts per day.

At two years old, Favorite gave 22 quarts; but losing one teat by accident, her greatest quantity since has been 21 quarts.

Favorite's first calf, "Beauty," is a superior milker, giving milk freely up to the very day of calving. On he 4th of May last, she gave 10 quarts in the morning, and in the afternoon returned from the pasture with the calf she had dropped during the day, by her side, and gave an equal quantity. She immediately increased to 30 quarts a day, and so continued for 6 to 8 weeks, until the pastures failed from the drought.

I have eight thorough bred cows, descendants of Lady, and all superior milkers. We estimate their average quantity during the 8 weeks after calving, on good feed, at 24 quarts per day.

As all my milk, for several years, has been sold in New Haven, it has not been convenient for me to ascertain the precise quantity of butter which might be made from the milk of each cow. My milk is rich and sells readily at the highest price in the city, and is pronounced by good judges there, the best which can be obtained. Butter made by us from milk left occasionally, is of the first quality in color and in flavor, and the thickness of the cream, as compared with that upon the milk of native cows, placed side by side, has been such as to attract the notice of my family. The person who has purchased my milk for the year past, has had experience in the business, and he declares the milk from my Durham cows the richest he has ever taken to market.

Very respectfully, &c.

WM. K. TOWNSEND.

This certifies that I have used in my family, milk obtained from many different persons, but for the last year have procured my supply from Mr. Townsend's dairy, and that, I am fully satisfied, it is the best I can dry weather of last autumn, observed the muck thrown procure in the city. CHARLES ROBINSON.

New Haven, Dec. 10, 1841.

means conclusive as to the butter properties of the ened friends of Agricultural Improvement to be found in this good old Yankee State. We are happy to see his name affixed to any communication in our paper; and shall be much gratified to find it often appended to communications much longer. We assure him a hearty welcome whenever he will favor us, and a cordial co-operation, as far as our humble power can be exerted, in the eause which he and his disinterested coadjutors have so much at heart, the improvement of Connecticut Husbandry.

> Burham and Devon Stock. Mn. Editor-

Sir-In answer to an inquiry in the December number of the New Genesce Farmer, by A Subscriber, as to which I consider the best breed of cattle, the Durham or the Devon, I would say, that I have not had much experience with the Durham, excepting one bull. My oldest stock of that breed are only one year old last spring. They are quite large of their age and appear to be tolerable good feeders, but they have not that symmetry of shape that would be desirable, excepting these from Devon cows (crossed). I have raised crosses of the Devons for a number of years, and I think they are the best stock to cross with our native cows, being more uniform in shape and color and in my judgment, are the best stock of cattle for the majority of farmers in the Genesee country, all things considered. They are very much sought after by eastern drevers.

GEORGE SHEFFER.

Wheatland, Jan. 15, 1812.

Remarks-We give the above from a respectable farmer and agree with him, that he is a very incompetent judge of the Durham Stock If he has had none, excepting a bull, more than one year old. He as yet can hardly judge of their shape, as animals of a large size seldom attain perfection of size early.

The cross of the Devons with our best native stock, is most strongly to be recommended, especially in reference to raising oxen; how far it may improve the milking qualities of the cows remains to be determined.

That this cross constitutes the best stock for the Genesee Country, with our recent and imperfect knowledge of the localities, we shall not presume to give even an opinion .- En.

Berkshire Pigs.

Mr. E. Marks, in the last number of the Cultivator, gives the weight of four Berkshires,-1838 pounds; pretty good, to be sure. But we have some in this neighborhood quite their equals. Mr. Carter, who has taken four premiums on Berkshires of the Ontario Agricultural Society, fattened two out of a litter of eleven pigs, and slaughtered them the day they were twenty months old. Their aggregate weight was one thousand and forty-four pounds. Yours &c.

MYRON ADAMS. East Bloomfield, Jan., 1842.

For the New Genesee Farmer

Peat.

MR. COLMAN-There has recently been discovered in this vicinity, an extensive bed of peat. It is situated about midway between the villages of East and West Bloomfield, half a mile North of the road. is found in a whortleberry swamp, comprising some sixty or seventy acres. The discovery was accidental. A man passing on the bank of a ditch during the very out of the ditch to be hard, and crumbling under his feet like charcoal, was induced to try some of it in a blacksmith's fire, and found that it burned readily. certificate, is one of the most active and enlight is now smooth, with little else upon it but the fibrous wet, it will be a long time before it will be ready for

roots of the whortle bushes. The peat is found about six inches below the surface, and is said to vary from three to ten feet in depth. While lying in the bed it rescribles common ewamp muck -is more compact, and of a slightly reddish cast. When dried it is hard and friable, lighter colored than common charcoal, receives a polish, and burns with a stendy clear flame.

I understand that a company has been formed who are to commence digging it next spring. It will undoubtedly be a valuable acquisition to this part of the Yours, &c., MYRON ADAMS.

East Bloomfield, N. Y. 1842.

Remarks on the above, and on Redemption of Peat Meadows .- There cannot be much doubt that the substance our respected correspondent has described is peat; and the reddish coloring matter mentioned comes from iron mixed with it. A company he says is formed to commence digging it the next spring; but what is the specific object of this company, whether manure or fuel, is not said.

As a manure, peat forms a valuable ingredient in compost; being formed wholly of decayed vegetable matter, it is well adapted to restore to the soil the element, which cultivation exhausts. It requires, however, decomposition or disintegration before it is in a condition to apply to the ground. Lord Meadowbank's process for its reduction, of which so much is said in English agricultural works, consisted in forming a heap of peat with invervening layers of horse manure, which, taken green from the stables, soon produced heat enough to reduce the peat. Lime is recommended by Dr. Jackson, for the same purpose, but it must be quick lime. Dr. Dana recommends ashes, of the superior advantages of which we bave no doubt. Peat likewise, the coarser kinds especially, may be advantageously thrown into the hog-saye, where the hogs will soon reduce and intermix it with other substances; and it may with particular advantage be thrown into a barn cellar where the hogs have access, and where, if the manure from the herse stable is likewise deposited, the peat will act as a most uaeful absorbent; and the whole contents be made valuable. In many cases what is called black muck. is composed like peat of decayed vegetation, and seems to be peat in an incipient state. Do the farmers of Ontario county require this for a manure? We had supposed not; but our information is of necessity extremely imperfect. While they have vast amounts of wheat straw, and spent ashes lies untouched in large heaps at the potash establishments, and plaster works its magical effects among them, and clover affords its enriching nutriment, and their flocks of sheep are numerous, we had supposed, on their new and unexhausted soil, they would require few additional materials for manure.

As fuel, peat is highly valuable, where better substances cannot be had; but who would think of using peat where the best of rock maple and beach and hickory can be had for two dollars per cord? The odor of burning peat is offensive to most people; its ashes are very light and fill the house with dirt; and the trouble of digging and drying and carting is a good deal more than that of getting wood, and occurs at a season of the year when time is worth much more to the farmer than in the season of getting wood. We might be driven to use a peat fire by necessity, but wa should never go to it from choice. It has, however, one great advantage; a block of peat kindled and raked up in the sahes will keep alive for a week.

If our friends, however, choose to use it for fuel, they will allow us to give them one word of advice as to ouring it. In general, this is done by piling it in stacks crosswise on the margin of the meadow. Here Charles Robinson, who subscribes the above The swamp was burned over last fall, and the surface it must remain sometime; and, if the season prove being boused. The best pest we have ever seen has been cured in this way. After being dug, let it lie long enough upon the ground to become drained, and then let it be carried home and piled up in a shed, where, while it is protected from the rain, there is a thorough circulation of air round and among every part of the heap. This is much the least treubleseme way of curing it; and the peat is heavier and will give more heat than when dried in the usual way in stacks on the field.

Our friends, however, may, we think, if we understand its condition, appropriate their peat meadow to a much better purpose, than that of either manure or fuel. Let them ditch and drain it thoroughly, or at least so as to reduce the water eightsen inches below the surface; then let them pare and burn the sods, at such a time that the meadow itself will not take fire; spread the ashes; put an a good dressing of compost, half loam and half manure, well mixed, and sow liberally of herd-grass, red-top, and clover. Or if they prefer a less expensive process, let them ditch and drain their meadow as above; clean away the subbish with a stiff harrow or drag; and carry on, at a season when they can get on to the meadow with a team, good loam and sand, and spread to the thickness of two or three inches, and then sew grass seed as above. Or otherwise before the frost is entirely out, and when they can turn over the surface to the depth of feur or five inches, let this be done earefully, inverting every sod, and then let a dressing of mixed manure be applied, the land sowed with grass seed as above advised, and rolled. The most thorough way of doing the business is undoubtedly the best. By this management, this land may be brought into most productive grass land, yielding, as we have repeatedly known. three and four tons to the acre. After three or four years a compact sward is formed, when it may be ploughed and cultivated with common crops. Within our own experience it has produced the best of rye, corn and oats. In Ireland, great improvements have been made in this way, and near Liverpool portions of Chat Moss have been redcemed in a similar mode under the direction of Mr. Reid. We regret that we have not at hand the means of stating the process of Mr. Reid and the results, but this we shall be able to do hereafter. The crops of wheat obtained on land redeemed in this way, were most remarkable. Much of this description of land has been recovered and improved in Massachusetts, of which we propose shortly to give a full account.

"Black Gum" -- Bowlders -- Mediterranean Wheat -- Peach Buds. [In a letter from Cayuga County.]

BLACK GUM .-- On a late journey to Auburn, I observed plum trees in great numbers along the read, tricked out in all the finery of "black gum;" and I was rather gratified to see the progress it had made.

Rejoicing at the misfertunes of others? No-lar from it; but the trees must soon die in the handa of their present owners, who take no care of them; and the sooner they die, the better.

Is that so? Yes, and I can prove it. Every one of these trees is a nursery of insects, to annoy the trees of their industrious neighbors; and so long as such nuisances exist, so long must every pomologist within a mile or two of them be in a state of continued watchfulness or warfare. When all these worthless trees perish, however, the insect, having no place to breed in, and nothing to live on, must perish too; and then -the dark cloud having passed over-plum trees may grow and flourish as they did ten years ago.

Although we have given line upon line, and precept upon precept, yet it may be proper to mention the remedy for this "evil" once more. Possibly some landed proprietor may be wakened up, and induced to exert himself as it were at the eleventh hour.

Cut off all those black bunches or excrescences, which probably at this season, however, contain no insects, for their remeval is necessary to enable us to detect the new bunches which will form late in spring or early in summer. The latter, containing the werms or larvæ, should be carefully burnt as seen as they are discovered; but to prune the tree thoroughly, removing all surplus wood, and leaving the branches so open that any new excrescences may be detected at a glance, would save much time and treuble.

Bowlbens .- Every traveller in this part of the State, whose perceptive faculties are well developed, must have observed that fragments of rocks, varying greatly in size, are scattered over the land; and that most of them differ entirely from the rocks which occur in regular strata.

Now how did those bowlders get there? This question would be answered very differently by different persons.

Some believe that stones grow; and that the pebble of to-day may become a large rock in future years. In other words, that they grow as naturally as pumpkins. Nobody, hewever, has discovered the stem that recks grew on; nor the veins or peres through which their nutriment circulates. Animal life and vegetable life are familiar terms; but mineral life would be something new in the language of natu-

Other people who (like the former) have not studied causes and effects, quietly conclude that those fragments have always been there; and see no reason to wonder at their appearance. It has been observed, however, that nearly all the rocky strata in Western New York abound with the remains of animals that once existed; and which could live buried deep in the earth no more than a horse or a cow could live there. When alive they were at the surface of the ground, though that surface was probably at the bottom of the sea; but certainly they never lived with those rocks on their heads; and if we may judge from the plainest analogy, every one of those bowlders, lies directly over the remains of some animal.

It will be safe to conclude, therefore, that there was a time when these rocks were not in their present positions; and the question may properly recur, how did they 'get there ? In a late lecture on Geology, delivered by Professer Silliman in the city of New York (as reported in the Tribune), I find the following remarks on the transportation of boulders by means of floating ice:

"It is not at all necessary to draw upon the imagination to understand this fact; for it is a matter of observation that ice-islands of vast magnitude are frequently torn away from their beds and floated through Hudson's and Baffins' Bay to more southern regions. I have seen myself ice-islands floating through the ocean, towering from one hundred and fifty to two hundred feet above the surface of the sea; and as we know that floating ice never shows above the surface more than one eighth of its bulk, we may reasonably conclude that islands of sixteen hundred feet in thickness frequently float from the Arctic regions to more southern climes. It is easy to see then, that these islands are capable of transporting immense loads of rock, far more heavy than the largest ships of war; and it is obvious that when these islands float into warmer regions, they must melt and drop their load. Thus the rocks which come from the most northern regions are deposited in the bottom of the southern seas. These masses, transported thus, may be seen off the West Coast of South America, and at the island of Chiloe. The process has long been going on, and will be in progress forever."

These remarks present a very interesting view of the subject, and there can be no doubt of their cor-

rectness; but they foil to cover the whole ground. The bowlders in this part of the country, generally show the effects of attrition; and where they are derived from rocky strata on this side of Lake Ontario, some estimate may be made of the distance that they traveled, from their change of form-the nearer to their native beds, the more angular-the further, the more rounded and word. Fifty miles of rolling and grinding have effected great changes; but fifty miles of navigation would produce no such results. I must, therefore, conclude that our bewiders generally travcled by land.

MEDITERRANEAN WHEAT .- A letter recently 1ccently received from a (fourth) correspondent near Philadelphia, contains the kind and liberal offer of a barrel of the Mediterranean Wheat for sowing next fall, with the following additional information:

"Its character here is rising, improving as it becomes acclimated. We have not yet tried it for bread, but [A. & B.] who are remarkable for having very nice bread, say that it is excellent; and that the flour is more like what they used to have in eld times."

It may be remembered by some of your readers that this wheat is exempt from rust, and from the stracks of the Hessian fly.

PEACH BUDS .- In my letter contained in the first number of the current volume, I mentioned that the peach buds had swelled; and that unless the winter should prove unusually mild, they would be likely to perish. Well, the winter has been unusually mildthey remain uninjured; and the lateness of the season (2 mo. 20.) encourages the hope that the danger from intense cold is nearly over.

The Principal of the Cayuga Academy at Aurora, has politely furnished me with observations made at that place, on the temperature. The greatest cold was on the morning of the 14th of the first month when the mercury stood at 6° above zero; but further from the lake and at a greater elevation, it was doubtless colder. Between Aurora and this place, however, I think the difference would not be more than two or three degrees, so that with us there must be more than thirty degrees of frost to destroy the blossom buds of the peach when they are swelled. The lesi bude are much hardier.

Ontario Agricultural Society.

This Society held their usual meeting at Canandaigna on the 8th ult. So inclement a day has hardly been experienced this winter; and the roads were ex tremely bad. The attendance of Farmers was good but the show of agricultural products and stock was very small. It could not have been expected that the onimals, unless they had a good deal more public spirit than their owners, would consent to be tied to a stake and shown upon the common on such a day as that, for the gratification of public curiosity or their own vanity. We found very few of the farmers wil ling to "take airs" upon themselves on the occasion and who did not prefer looking at a good maple fire to looking at a fat ox, though they seemed to have no objection to the latter after he had been at the fire like wise. This season of the year in our climate, is very unsuitable for a cattle show.

The premiums were awarded as follows:

To Pitt May, of Hopewell, for the best two seres o Wheat, \$10. The yield was 371 bushels per acre To Jesse II. Bunnell, of Canandsigus, second bes

ditto, \$7. 28 bushels.
To Eph. W. Cleveland, of Naples, for the best field of Corn, not less than one acre, \$7. 82 bushel per acre To Royal A. Andrews, Bristol, for eccond best do

\$5. 70.21 bushels per acre.
To Bani Bradley, of E. Bloomfield, third do. \$3.-

43.61 bushels per acre. To John Raines, Canandaigua, for the best field o

Barley, no less than one acre, \$5. 411 bushels.

To Joel S. Hart, Hopewell, second best do. \$3. To Bani Bradley, E. Bloomfield, for the best field of Oats, \$5. S34 bushels per acre. Oats, \$5.

To Myron Adams, E. Bloomfield, second do. \$3 .--69.12 bushels.

To Joseph Blodget, Gorham, for the best acre of Peas, §5. 47.35 bushels.

Wm. Bryant, Manchester, for the best field of otatoes, \$5. 109 bushels on half an acre. Potatoes, \$5. To Chas. B. Meck, Canandaigna, for best Ruta Baga,

\$5.-30 tons. Same, \$3 for second best, 22 tons. Same, \$5, for best Mangel Wurtsel-15 tons on 153 reds.

To Chas. Godfrey, Senece, for best yoke of Fut Oxen,

To Myron Adams, East Bloomfield, for the best fatted Cow, \$5. To Goo. Cayward, Seneca, for second best do. \$3.

To Caester Osborn, Garham, third do. \$2. To Myron Adams, E. Bloomfield, for best int Steer, \$5.

To Sam. Greenleaf, Canandaigua, second do \$3. To Chas B. Meck. do third do. St. To A. M. Bush, Hopewell, for the best for Heifer,

To John Beidler, Canandaigua, for best six Fatted Sheep, \$5.

Mr. Godfrey's fat oxen, a cross with the Devon, and Mr. Myron Adams' steer and cow, of Devon blood, would have done honor to any show. Mr. Cayward's cow was a very fat and heavy snimal without any pretensions to aristocratic blood, and certainly none to symmetry or beauty.

Monroe County Agricultural Society.

At a meeting of the Monroe County Agricultural Society, held of the Areade, in the city of Rochester, on the 19th day of February, 1842.

The meeting was organized and proceeded to the election of officers for the ensuing year, when the following persons were elected:

For President, HENRY COLMAN, Rochester.

For Vice Presidents, WILLIAM GARBUTT, Whentland.

Lyman B. Langworthy, Greece, William C. Cornell, Henricus. HENRY M. WARD, Recording Secretary. M. B. BATEHAM, Corresponding Secretary.

For Managers, Rawson Harmon, Wheatland,

Nathaniel Hayward, Brighton, Asa Rowe, Gre.ce.
Caleb K. Hobbie, Irondequoit.
E. H. Barnard, Mendon,
Jacob Strawn, Chili, Gideon Ramsdell, Perinton, Miles Lawson, Ogden, John H. Robinson, Henrietta, Alfred Fitch, Rign, Abel Baldwin, Clarkson, F. T. Root, Sweden, David M. Smith, Rush.

For Town Committees.

Wheatland - Jirah Blackmir, George Sheffer, Jamuel Wood.

Chili .- William Pixley, John K. Balentine, John Tuller. Riga .- Dennis Church, Charles Tenney, John

Rowe. Ogden .- Oliver Day, Medad P. Parker, Jesse

Harroun. Sweden .- S. D. Baldwin, George Allen, Hum-

phrey Palmer. Clarkson .- David Forsyth, Frederick F. Church,

Abel Baldw n. Parma.-L. W. Metcalf, Roswell Atchinson, Abner Darling.

Greece.—Halt Colby, Nicholas Reed, John Moxon. Gates.--Lyman Potter, Moses Dyer, Matthias

Brighton -- Timothy Wallace, Romanta Hart, Oliver Culver.

Henrietta.—Matthias L. Angle, James Sperry,

Rush .- Thomas Wright, William M. Mott, Chas. Chamberlin.

-Abner Cole, Benjamin Birdsall, Jr., Mandon.

Thomas Wilcox.

Pittsford.—Alexander Voorbees, Ita Bellows, Ebenezer Sutherland.

Perinton .- Zerar Burr, A. Goodell, Elisha Ram-

Penfield .- Elias Beach, Daniel Fuller, Samuel

Webster,-Bryan Woodhull, William Holt, Alpheus Crocker.

Irondequoit -- Benjamin King, H. N. Langworthy, Rochester .- Alonzo Frost, E. Darwin Smith, Na-

thaniel Draper, Ansel Frost, George Whitney, Alexander Kelsey, Patrick Barry.

On motion, it was Resolved, That measures be taken by this Society for Establishing an Agricultural Museum in the city of Rochester, and that a committee of five be appointed to make inquiry respecting a room for the purpose, and to send a petition to the Governor and Legislature for a set of the specimens of Natural History collected by the Geological Surveyors, and to report at the next meeting of this Society

On motion of E. Darwin Smith, Resolved, That the thanks of this Society be tendered to Lyman B. Langworthy, for the oble, diligent, and faithful attention to the datics of the office of President of this Society for the last two years, during which he has officiated as such.

Adjourned to meet at the same place on the 17th of March next, at 10 o'clock, A. M. HENRY M. WARD, Rec. Sec.

The First Effects of the Bankrupt Law.

We are told by the New York papers that since the operation of the Bankrupt Law, numbers in that city have come forward to compromise with their creditors who for years past have made no effort to pay their debts. They now evidently dread the searching operations of that Law.

The doctrine that when a man fails, he has more money to expend in show and amusement, seems now to be on the eve of an explosion. With prudence and economy-hard times can neither affect a farmer's independence, nor retard his mental For the use of Young Ladies, at Home and at School. culture and intellectual pleasures.

In some of my former brief articles, I have endeavored to impress my rural friends, with the necessity of their predicating their future expenditures and habits of living, upon that economical scale, which the approaching low prices of agricultural productions would soon render imperatively necessary to their comfort and independence

Within the last few months wheat has fallen from the price to which an infatuated speculation had forced it, down to 87 cents per bushel. In its fall it has carried with it most of the millers and speculators, together with several banks; so that for some time to come farmers cannot expect another inflation of prices, from a demant purely speculative. Pork, which had last season touched the lowest point in price ever before quoted in the market, has now gone down so low as hardly to cover the expense of barrel, salt, and freight from the far West. Whiskey, owing in part to the glorious temperance reform, has shared the same fate. Indian Corn does better, owing to an improved export demand for this grain. It would seem that a kind providence has thus smiled upon the legitimate uses of Indian corn, the moment that man had ceased to pervert them, by "turning good to mischief!" Clover Seed, which was supposed so be a very short crop, has, contrary to all calculation, continued to decline in price until its price has become merely nominal. Still, in the midst of low prices, the independent farmer is better off than most of the other classes of community. He has no rent to pay, no corporation taxes to tease him weekly; so far as he is the consumer of his own products, the price is of no importance to him; in barter for cloth his wool is worth as much as ever. Many of his other products are equally available in exchange for labor, &c. He may not indulge in as many far fetched luxuries, in all such imported fabrics as fashion snew in Match.

imposes; but his intellectual pleasures need not be abridged on that account; as mental culture depends on taste and enthusiasm, and not on meritricious display, nor does it cost any thing but time and study. The delightful study of nature's laws, is in the way of the farmer's vocation and daily calling; let him then, instead of repining at low prices, hard times, and a lack of money, reflect that such privations are the only means to bring back the nation's long lost health; that, although the medicine is repulsive and exceeding bitter, it is nevertheless indispensable to a perfect convalesence S. W. Waterloo, Seneca Co. N. V.

Grafting Cherry Trees;

A practice which has hitherto been attended with some difficulty, insomuch that inoculating has usually been substituted for it. In the spring of 1841, we engrafted a few small trees by the following process. It was in March, and rather a cool day, so much so that a furnace of coals was necessary to warm the wax. After sawing off the head of the tree to within about six inches of the ground, we took a sharp pen-knife and made incisions in the bark, designed to be parallel and over the cleft of the wood. The wood was then split and the scions set in the usual way; after which I took a fine piece of paper over which wax had been spread and carefully applied over the wounded part. Over this, wax may be again applied to keep it in place and over the whole we placed a ligature of India rubber cut entire to keep the parts from extending by the frost.

Mount Osceola, Fcb., 1842.

A Treatise on Domestic Economy,

By Miss Catharine E. Beecher,-late Principal of the Hartford Female Seminary. Boston: Marsh, Capen, Lyon and Webb .- 1841.

This is a capital book ; full of wise and useful advice, showing intelligent and exact observation, and speaking often from experience. The objection we have to the book is, that it contains a great deal too much, being a sort of Encyclopedia of Agriculture, Gardening, Honse-keeping, Health, Manners, &c. It does not seem civil to complain of getting too much for our money, but the book would be much more read if it were smaller. We ore not quite satisfied with the copious drafts, which Miss Beecher makes upon other and contemporary writers. If they were books of many years ogo, out of print and unattainable, there might be reason for it; but there is no justice in plandering the backets of those who are in the market with ourselves. Fair play is a jewel, and this lady has no occasion to shine in borrowed dresses.

Nor do we see the appropriateness in a book for young ladies at school or at home, of treating of the construction of barns and barn yards, core keeping and horse keeping; unless her book is specially designed for some of the Dutch girls at the West, whom we have seen more than once in the market driving their teams loaded with wood. In New England wo bave not yet quite got to that.

The book, however, is a good one, end we shall enrich our columns with some useful extracts from it. It must, we think, however, unless the author is fire proof, prove fatal to Miss Beecher. We know halt a dozen good fellows who, if they knew what is good for themselves, would at least try to put such a housekeeper into her proper sphere, and compel her to doff her maiden plumes.

Winter of 1841-2.

The winter just closed upon us, has been most re-And winter just coosed upon as, has even most re-narkable for its high temperature and the small imount of Snow, which has fallen. The wheat, as far as we have seen it, looks well. It remains to be een what is the ultimate effect of such a season, upon he crops of grass and grain. There is time for some

N. Y. State Agricultural Society Reports. (Concluded from our lust.)

ON BUTTER.

The committee unanimously award the The committee unanimously sward the late premium, \$30, to J. T. Lensing of Watervliet.
2d "20, to W. Merrifield of Guilderland.
3d "10, to Charles Lyon of Ogdensburgh. 24 3d

MR. LANSING'S STATEMENT.

1. The number of cows ten.

2. Stabled through the inclement sesson; fed them from three to four times per day with good hey or green stalks; when near coming in, some osts, barlev. or corn cracked. In summer, good pasture, with

living water at all times, and plenty of salt.

3. Treatment of milk and cresm before churning. Strain the milk in tin pans; place them in a cool cellar for the cream to rise. When sufficiently risen, separate the cream from the milk; put it in stone

jars, well prepared, before churning.

4. The mode of churning in summer .- Rinse the churn with cold water; torn in the cream, and add to each jar of cream put in churn one fourth of the same quantity of cold water. The churn used is a patent one, moved by hend with a craok, having paddles attached, and so constructed as to warm the milk, if too cold, with hot water, without mixing them together. The milk and cream receive the same treatment in winter as in summer ; and in churning, use hot instead of cold water, if necessary.

5. Wash the butter with cold water till it shows no

eolor of the milk, by the use of a ladle.
6. Use the best kind of Liverpool sack salt; the quantity varies according to the state in which the butter is taken from the churn-if soft, more, if hard, less, always taking the taste for the sorest goide .-Add no sultpetre nor other substances.

7. The best time for churning is the morning, in

hot weather, and to keep the butter cool till put down
8. The best made of preserving butter in and through the summer and winter, is as follows ; -- The vessel is a stone jar, clean and sweet. The mode of putting it down is to put in a charning of butter, and put strong brine; let it remain on till the next churnng is ready to put down, and so on till the jar is filled; then cover it over with fine ealt, the same to remain on till used.

Watercliet, Jan., 1842. JACOR T. LANSING.

MR. MERRIFIELD'S STATEMENT.

Cows -- Eight.

Kept .- In pastore, in summer ; on hay, straw, and roots, in winter. Milk strained into the pans, and placed in the

cellar.

The eream only churned, in a Dutch churn.

Method of freeing the butter from the milk .- By

pressure. Salt used .- Liverpool snek, one onnce to the pound

Kept in the cellar, in summer, in wood. In winter, our milk stands tweive hours; is then removed to the stove, and scalded over a slow fire to

near boiling heat: the pans removed to the cellar to cool: the cream only churned.

Guilderland, Jan., 1842. WILLIAM MERRIFIELD.

MR. LYON'S STATEMENT.

To THE COMMITTEE .- The tub of butter exhibited was manufactured without reference to this exhibirion-in our ordinary way. My hours for milking are very regular. My dairy, numbers twenty cows, seven of which were milked for the first time this season. I fattened all my calves to the age of six weeks. The latter part of the winter and through the spring, my cows are fed about one peck of ruta bagas each; salted once a week in winter, and twice in aummer. Solting regularly, is essential, is conduc-live to good health; and tends to produce a uniformity in the quantity and improves the quelity of the milk. The average product of my cows this sesson is 100 lbs. per cow, besides what is used in a family of from eight to ten persons. The shelves of my milk-house are so constructed as to admit a free circulation of air. My buildings do not require drains to my cellars. The milk is strained as soon as possible after milking, in tin paus, about three quarts to each pan ; and stands until the milk is slightly turned, the time required depending on the weather.

Churning performed every day, (Sundays excepted.) When cows are regularly solted, I have never known an instance of any extreme difficulty in obtaining butter. After it is obtained, it is immediately taken from the buttermilk, all the milk worked off that is practicable at the time, salted to the taste, and

placed in a cool cellar until the next day, when the buttermilk is entirely worked out by the use of a ladle, and then packed solid in tubs.

The solt I use is sock solt. After the tub is filled, the butter is kept covered with brine sufficient to keep the air entirely excluded, especially that made during the warm part of the season. My tube ar placed in the coolest part of my cellar. Butter made and proteeted in this way, will keep sweet one, two, or three vents.

Chas. Lyon.

Owegatchie, St. Lawrence Co , Jan., 1842.

REPORT ON CHEESE.

The Committee on Cheese report.

There were only five specimens on cheese presented for premium, that came within the rules of the Society. The cheese was generally of good quanty, and creditable to the contributors and to the Society. The cheese was generally of good quality, The number of competitors was small, and a reflection on our dairy counties, which are so distinguished for the qualities of their choose.

The specimen of D. Marvin was very good, and the committee had some hesitation in deciding the comparative excellence of this and that of H. & P. Allen of Duanceburgh, and finally decided in favor of the latter, as entitled to the Society's first premium of \$20, upon the fact that this was rather the most mild and uniform in taste and flavor.

Your committee award the second premium, of \$10,

to D. Marvin of Cooperstown.

The other samples were very good, but were not of so even a quality, nor uniform in flavor; and as there was no entry for old cheese, that came within the rules of the Society, your committee recommend a gratuitous premium of \$8 to Phiness Hard of Le Ray, for a sample very fine, and deserving particular notice.

Your committee regret that in sections where so much good caeese is made, there should be so limited a number of competitors for the very liheral premiums offered. If the reward offered was the only motive for bringing forth these articles, the reason might be found in the little regard in the chastened minds of the community for that which many others have coveted; but as the great object of these exhibitions is to communicate and receive information on subjects of great interest to all, the grand and high principles which actuate worthy citizens, should lead them, by the exbibition of their own successful manufactures, to instruct, stimulate, and encourage those less informed themselves.

Awell managed dairy is one of the most valuable sources of a farmer's revenue. The product of a good cow, for a single season, in milk, butter, cheese, &c. may be estimated at more than thirty dollars.

We refer to the annexed statements of the competi tors, whose success is the highest recommendation of the method pursued by them.

MESSRS. ALLEN'S STATEMENT.

Number of cows kept, cleven. Cheese made from two milkings, in the English manner; no addition made of cresm. For a cheese of twenty pounds, a piece of rennet about two inches aquare is sosked about twelve hours in one pint of water. As rennets differ much in quality, enough should be used to coagulate the milk sufficiently in about forty minutes .-No salt is put into the cheese, nor any on the outside during the first six or eight hours it is being pressed; but a thin coat of fine Liverpool salt is kept on the outside during the remainder of the time it remains in press. The cheeses are pressed forty-eight hours under a weight of seven or eight cwt. Nothing more is required but to turn the cheeses once a day on the

Duanesburgh, Jan, 17, 1842.

MR. MARVIN'S STATEMENT.

The milk strained in large tubs over night; the cream stirred in milk, and in morning strained in same tub; milk beated to natural heat; add color and rennet : curd broke fine and whey off, and broke fine in hoop with fast bottom, and put in strainer; preased twelve hours; then taken from hoop, and salt robbed on the surface; then put in hoop, without strainer, and pressed forty-eight hours; then put on tables, and salt rubbed on surface, and remain in sait six days, for cheese weighing thirty pounds. The hoops to for cheese weighing thirty pounds. The hoops to have holes in the bottom; the crushings are saved, and set and churned, to grease the cheese. The above method is for making one cheese per day,

Cooperstoion, January, 1842. Daniel Marvin.

MR. HARDY'S STATEMENT. The number of cows kept is thirty-eight. Cheese

made from two milkings -- no addition of cream .--The quantity of sult used was one ten-cupful to twenty pounds of curd, of common Onondaga salt net was prepared by soaking one rennet in a jar of five or six quarts, filled with solt and water. Fram one pint to one quart was used, according to the strength of the rennet, for a cheese of eighty or ninety The cheeses were pressed in a common pounde. wheel and lever press two days. The cheeses were taken from the press and rubbed with annesto, sooked turned and rubbed daily through the season with the same.

PHINEAS HARDY. Le Ray, Jefferson Co., Jan. 10, 1842.

REPORT ON WHEAT, RYE AND BARLEY.

The committee regret that they have been compelled to reject several applications for premiums, beeages the terms of the executive committee were not complied with. They regret it the more, because some of them would no doubt have received premi-ums-among whom were Elisha Pettibone, James Beaty, applicants for the premium on wheat, and Jay Petubone for barley.

The first premium on wheat is awarded to George Schoffer of Wheatland, Monroe co. The amount raised was 300 bushels on 7 1-2 acres, averaging forty

bushels to the acre.

The first premium on barley to John W. Turnnicliffe, Richlield, Otsego co., one acre yielding 5314 bushels of barley. The whole expense of raising this acre of barley is e-timated at \$12 50.

The committee regret exceedingly that in so large a grain growing State, so few men could be found who either deserved or were desirous of obtaining the premiums of the State Society.

REPORT ON CORN, OATS AND PEAS.

There were two applicants for premiums on corn, and your committee regret that the statements secompanying the applications were not more explicit, complying more strictly with the rules of the Society, as much useful information might be derived therefrom.

They award the first premium of \$20 to William Ingalls of Volney, Oswego county, for raising 142 bushels of shelled corn on one acre of land.

And the second premium of \$10 to J. F. Osborn of Cayuga county, for raising 144 bushels, weight 56 lbs. to the bushel, on one acre of land; but the mode of ascertaining the quantity was not wholly setisfactory to the committee.

There were five competitors for oats, all very highly

deserving of commendation.

They award the first premium of \$15 to D. W. Weeks of Watertown, Jefferson co., for raising 113 I 2 bushels on one acre of land.

They sward the second premium of \$8 to John S. Jones of East Bloomfield, Onterio co., for raising

102 1-2 bushels on one acre of land.

They recommend a premium of \$5 to Amos A. Egleston of Greenwich, Washington co., for the excellence of the specimen presented by him, weighing 42. lbs. to the bushel, it being also a large crop. There were no applicants for peas.

The committee appointed to examine the beautiful production of crt, celled the Amazon Bonnet, exhibi ted to the Society by Messre. Valentine & Eaton, No. 121 Water street, New-York, report:

That they called to their aid a number of intelligent ladies. by whose taste and superior judgment in these

matters, they were controlled.

This specimen of ingenuity, combines great elegance and beauty with strength and durability. It is manufactured from the finest quality of Manilla grass. Six thousand five hundred fibres, woven together, will make about one hundred yards of braid, which quantity will make one of the finest class of honnets. This material may be twisted into an endless variety of patterns, and is susceptible of any color or figure .-This bonnet can be taken apart, and cleansed with ease, and put together again, losing thereby none of its original heauty or value. Its texture and durabili. y have never been equalled, and for beauty, it surpasses almost any thing of the kind. The material from which it is manufactured is imported, but is of small value compared with the labor in breiding the same. If it comes into general use, it will open a field of productive industry to many indigent females and children of our populous towns. We commend this bonnet to the patronage of the American ladies. Benevolence to a large class of their own sex in destitute cir-cumstances, should prompt them to encourage the production of an article that will afford employment, and consequently comfort to indigent but worthy females. REPORT of the treasurer. E. P. PRENTICE. The ceipts of the Society the last year, were as follows: Balance in treasury, at last meeting, \$46 87 From eight life members, \$50 each, 100 00 Seven subscriptions, \$25 cach, 175 00 Two Eleven 4.6 Twenty-three " \$5 esch,......115 00 From members, and other sources, 412 82

\$2,029 69

\$961 23

From which is to be deducted about \$200 for prenms awarded, but not paid.

The trensurer also reported that a quarter of one Mr. Rust's int oxen, presented to the Society by r. Rust, and been sold for \$64 67, which, added the above sum, would leave a balance in the trearecommending a place for holding the annual Show er fixing Albany or its vicinity for 1842, recommend at the Show for 1813 be held at Rochester.

On motion of DR. Goodsell of Utien, Resolved, That this Society recommend to the inty agricultural societies to use their exertions to ablish town societies

On motion of J. B. Norr, Esq., Resolved, That a committee of five be appointed to port at the next meeting on the propriety of estab-uing an Agricultural Board for this State. [Comttee-Messis. Nott, Van Bringen, Drow and Viele.]

Amendments to the Constitution.

On motion of J. B. Norr, Esq., Resolved, That no article of the Constitution can reafter be altered or amended, without a notice reof being given one year before such alteration, Mr. Fuller gave notice that at the next annual peting of the Society, a motion will be made to end the Constitution, so that presidents of county cultural societies shall be ex officio members of Executive Committee of the said Society.

The Society then adjourned, sine die. For the New Genesee Farmer

Farmers' Gardens.

What higher authority can we quote than a lady? ho has better taste, more refined sensibilities, nder judgment or nicer observation, than the tale part of community? Happening to meet who possesses the excellencies of her sex in an inent degree, the other day, we heard her rerk that the farmer who failed of having a good dea, failed in economy, and not only that, but he himself off from many of the comforts of life. Iging from the practice of most farmers in our junintance, we must suppose they are ready to out "this is a hard saying," but let them enjoy comforts and luxuries of a good garden for one ir, let them count the actual cost in labor and er expense it requires, and give a careful credit its proceeds, and if they do not find it the most fitable investment of their estates, we will-con de that their experience has been different from own. Though our garden is done up in a all way, yet we find it not only an invaluable apidage to our affairs, but with our present idea or th things, one of absolute necessity; for we cant forego the delicacies of the rich tomato, or the ider vegetable it affords in the hot summer days. y more than we can our daily bread. And the e cauliflower, who that ever tasted of them ould willingly suppose that a future season could ss without furnishing bimself with an abun lance. t many who profess to admire them do live, ar after year, without making a single effort for ir production. They are almost as easily raised common cabbage. Like them, they should be rted for early use in a hot-bed, an article that ery one who cultivates a small patch of earth. ould prepare; for by sowing in them, a month or

from the general reign of cold weather, be added to our short summers. They may be got up very cheaply. One with half a dozen lights of glass will do to prove their utility, and these lights may be set in any old sash, or in a cheap frame, which any one gifted even with a small measure of mechanical skill, may manufacture in the leisure time of winter, and by so doing, heavier bars and frames may be made, than is usual in common sash, which will give them a firmness that their exposure requires. If cheapness is studied, the box may be made of slabs, with the edges squared so as to set close; on this, the sash should lie at an angle of about 45°. In our climate, the best location for the hot-bed is at the south end of a building, for there, the cold northerly winds are broken off and the sunbeams reflect, as well as fall directly upon it, thus proving that in cultivation of plants. as well as animals and intellects, reflection is as useful as more direct action.

But farmers who would have every part of their garden perfect, should have larger hot-beds than the one we have quoted, or, perhaps, what would be better, have several of the size alluded to, for then different vegetables can be started at a distance from each other. These small ones may have, among other things, a hill of melons, or of the exotic squashes planted in the centre of them, if located in different parts of the garden; and when plants, like the cauliflower, tomato, or any of those designed for transplanting are removed, the ground, well fitted for their growth, remains for the nourishment of the vine. By having them in different parts of the garden in different years, it may be kept in a very rich condition, by the well rotted manure they contain, and which, by the second year becomes, through the fermentation of the first, free from the seeds of foul weeds, so very annoving in a garden. Hot-beds should be made in March, and covered in severe weather by an old W. B.

Mount Osceola, 1842.

Manure for Gardens.

We have tried a variety of kinds of manure for a garden, and these kinds in a variety of forms, and as far as our experience warrants an assertion in favor of any particular kind, we must give a decided preference to swamp mud, or muck. One argument in its favor is, that it seldom produces weeds. Another, that it contains so much vegetable matter in a decomposable state that it is easily brought to operate as the food of plants. It also, from the slowness of its decay, continues its effect longer than most other manures. Its cheapnessalso commends it, for all it costs is the mere getting it from the pond hole, which will be sure to fill its treasury before a new draft is necessary. In order to have it prime, it should be placed in a pile for a few days, and ashes or lime mixed with it, and subjected to workings until the lumps are all reduced, and the two simples thoroughly compounded. It may then be put, half a shovel full will answer, in the hill for melons, cucumbers and squash. For radishes and the like, we use it as a top dressing. W. B.

Mount Osceola, Feb., 1842.

Advantages of the Climate of the United States over that of England.

Your correspondent, W. Garbutt of Wheatland, gives to the English farmer the advantage in length of season over the farmer of the United States, without even adverting to the very great advantage we have, in the superior stimulating power of our much warmer and more kindly season of vegetaweeks may, without diminishing in any way tion. If by some change in the Solar System, the the quantity of the materials. - English paper.

power of terrestrial magnetism, or some involution in nature's course, the soil of England could be so far stimulated by the sun's rays as to produce Indian corn to perfection, should we may longer hear of her "starving population," reduced to live on the miserable bread made of damp monldy grain? It is true that England has less severe cold weather and a shorter winter than we have; but look at the slow process of vegetation, there as compared with that of the United States; her late harvest crowded into the short, cloudy, and even wet days of autumn, and it is not surprising that her corn is damp and mouldy. What would become ef our ease-loving farmers if they had to encounter the cold, sonr, wet climate, and slow vegetation of that country called merry, not sunny, England? Would they not be reduced from bacon and corn bread, to turnips and pea soup, from the delicious wheaten loaf and hot rolls, to oat cakes and potato

Mr. Garbutt says that roots cannot be cultivated in this country to the same extent, odvontageously, as in England. Very true, but then does not our Indian corn, that thrifty precocious king of edibles (it being both food and fodder, oil and sugar,) render the like extensive cultivation of roots unnecessary? But we deny that roots may not be as easiy cultivated in the United States as in England. If our more sunny champaign country is not as well suited to the turnip and potato, as cool and misty England,-our early planted sugar beets never grew in greater perfection with us, than during the last summer, the hottest and driest season we have had in many years; and there is little doubt but that one acre of sugar beets is worth two acres of turnips.

We fully agree with Mr. Garbutt that it would be folly for our farmers to follow the rural economy of England in all its variety, but for very different reasons than a part of those set out in his otherwise interesting and well written article.

Waterloo, N. Y.

From the Farmer's Monthly Visitor. Great Vield of Potatoes.

In 1839, the late Major Caleb Stark planted potatoes (the large round red) on several patches of ground in Suncock village in the town of Pembroke; he planted them without assistance, and hood them three times himself. They were planted in drills, one piece (cut) every ten inches, and when he dug them in the fall, they were weighed, and he proposed, from the result, the following questions to Hon. John Vose, then preceptor of Pembroke Academy. I find the questions and answers among some of his papers, and send them to you.

QUESTIONS.

	1st	portion,	168 squ	are feet	produced	126	pounds
ì	24	* **	147	4.6	- 46	138	
	34	+4	18 feet	square,	produced	384	44
•	4th	64	43	6.6	44	1435	66
	l			MOSSES	De		

	lst	portion,	per	ac:e, 32,670 lbs.	605 bushele	per	acre.
į	2d		"	41,715	773,055	• "	
	34	44	44	51,626 2-3	956,349	44	
	2d 3d 4th	**	44		426,05	44	

The above results were brought about by Mr. Brown; of their accuracy, I have examined them, so as to be satisfied they are correct. I witnessed the progress of the growth of the potatoes, and the average weight of them was 54 pounds per bushel JOHN VOSE,

Typhus Fever.

It cannot be too widely known that nitrous acid gas possesses the property of destroying the contagion of the typhus fever, and certainly of preventing its apread. By the following simple method the gas may be pro-duced at a very trifling expense:—Place a little pow-dered saltpetre in a saucer, and pour on it as much oil of vitriol as will cover it; a copious discharge of acid gas will instantly take place, the quantity of which may be regulated by lessening or increasing



ROCHESTER, MARCH, 1842.

To Correspondents and Readers.

We cannot say with one man on receiving his friends that we have too much company for our chairs, but, we sincerely regret that we have not chairs enough for our company.—Our limits and the late hour at which several communications were received compelus to postpoon them until our next.

J. E. T's most welcome easay is in type.

C. N. B's valuable article on Winter Butter is in type.

J. W's excellent letter on the cultivation of Hemp will be in our next.

A "Subscriber's candid remarks on Improved Stock and the sound views of a "Friend of Improvement" are both received with respect.

Inquiries as to Gypsum, W. S. T. on Maple Sugar, a second letter from our friend Garbutt, our friend M's communication on choked cattle and Ruta Bage, valuable articles on Farm and Cottage Buildings, on Ploughing, on Proteotive Duties and Experiments in Farming, with various others, are of necessity laid by. But our friends may under these circumstances safely anticipate a choice sheet for April. Having said so much for ourselves in this number, we shall in our next yield the floor to our betters. In the mean time we beg our friends not to think we overlook or forget them. Let them turn in their grist; end so long as they give us clean grain, without any chees, or cockle or smut, as they have done, we'll do our best to turn out as good flour as any mill with the Rachester brand.

Broom Corn and Madder are waiting a place in our next.

Mr. Weddle's sale ought to command attention. There are some animals of extraordinary excellence.

Charms of Editorial Life.--Agricultural Inquiries.

January 22, 1842.

Mr. Colman-

Sir—Having been somewhat acquainted with your views upon agriculture while you was in Messachusetts, and learning that you now stand at the helm of the Genesee Farmer, I think to extend my acquaint ance with you, by perusing your monthly periodical.

I have a few questions to lay before you, hoping for some valuable information.

My farm consists of about fifteen acres of a yellow loam mixed with sand. I have occupied it one season only, and find that rye, corn and potatoes, may be raised to good advantage; also carrots and eugar beets. But I am destitute of an orchard. My neighbors, who are in the same condition, tell me I must submit to it, which I am very unwilling to do. I therefore hope to learn from your paper your opinion, whether fruit trees will be likely to grow and flourish on my land—the best time for transplenting them—the manner in which it should be done, &c.—the treatment they should receive after, and the kind of manure most adapted to their growth.

I wish to know the best manner of curing hams, and of preserving beef from fall to spring, and for aummer use.

Permit me to extend my inquiries a little farther. Be good enough to inform me of the best kinds of

swine, and manner of rearing pigs, and the treatment of sows suckling them. Also, how 1 can best keep bees through the winter and menege them in summer to get the best profit from them.

Yours respectfully.

Remarks .- Now here is a pretty kettle of fish to fry, from Connecticut river. What shall we do? The editor of the New England Fermer recently very politely remarked, that the late Agricultural Commissioner of Massachusetts 'could put more questions in a given time than any other man of his acquaintance." But the late Agricultural Commissioner now ecknowledges himself fairly beaten. Why could not our correspondent have put to us at once all the questions in the Westminster Assembly's Larger Carechism ?-Why could be not have asked us a few more questions in netural history; as for example, why Niagara Falls do not stop running? How Connecticut river ever squeezed through Mount Holyoke and Mount Tom? How the trees ever got upon the top of Sugar Loaf? Why black-wooled sheep eat less than white? Whether flees can be best eaught in a common stee! trap, or as the boys catch pigeons, by putting a little salt on their tails? and so on to the end of the chap-

We should like to be near at hand when our friend desires a visit from his family physician; and should not be much surprised if some such application as this takes place. Doctor! when you are passing my house just call in in a friendly way, and see my wife, she has had now for some time a bad cough and pain in her side : and I want, at the same time, you should look at Nancy's finger, she has got, I believe, a felon upon it : and do ask for John and tell us how we shall remedy his club feet; and I hear, Doctor, that you can cure squint eyes, and I wish you would see what can be done for Tom, who seems always to be trying for his life to see whether his nose is on or off; and by the way, Doctor, if you have any genuine matter, I should be glad to have all the children vaccinated at the same time; and while you are there, Doctor, I wish you to look at my old horse, who seems to have a film over one of his eyes, and I wish to know how to get it off; and at the same time, I wish you to examme the milk of our heifer and let me know if you think there is any danger of our gotting the milk eickness which I have rend about in Indiana; and one other thing, Doctor, I came near forgetting, about which I very much want your advice, that is whether our baby's porridge should be heated in a tin dipper or an iron ekillet.

All this, too, the man expects to get out of the Doctor without any fee, because he only asked the Doctor to call as a friend sometime when he should happen to be passing by the house.

Now we certainly mean nothing dierespectful to our good friend, but if it was the feather that broke the camel's back, what is to become of us when the whole bed, tick and all, is thrown upon ours? Perhaps we should save trouble in the case, were we to recommend to our correspondent to apply where he will find all the information he desires at his fingers' end, There are only twenty quarto volumes of the N. E. Farmer, let him read them; there are only eight volumes of the Albany Cultivator, let him read them; there are only four volumes of Hill's Family Visitor, he can read them as well as not: there is the old Genesce. Farmer and the New Genesee Farmer; these, without reading the advertisements and the price currents, might stand him a little while; and then there is a little (not exactly pocket) volume, called London's Encyclopedia of Agriculture, which might occupy a few leisure evenings and assist him essentially in the management of his farm of fifteen acres.

But to be soher. Our friend we hope will pardon us for amusing ourselves at his expense. We really

bave no serious objection to his inquiries. We like his curiosity. We will do every thing in our power to encourage and assistsmall as well as large farmers, and if he will have patience with us, we promise that overy one of his questions shall have due attention, and so of as many more as he will put to us,

Withdrawal of Patronnge.

We are honored with a letter of a different description, in which a respected friend compleins that we admit the communications of a valued correspondent, S. W., whose rices do not agree with his on the subject of protecting duties, nor indeed with our own-

But he says "he handed our January number to a brother fermer hoping to induce him to become a subscriber, but on returning it he objected on account of S. W's, communication, saying that any paper advocating British interests, he was not disposed to patronise.' My views are the same, and I shall cesse to be a subscriber if such articles are permitted to appear."

Now we beg to say confidentially and respectfully to our friend, that his threat has not scared us out of a night's sleep, and that whenever he thinks proper to withdraw his patronage from our humble publication, we shall be most happy to return his fifty cents. Sell our liberty of speech or discussion on any subject and all subjects we shall not, nor abate it one hair's breadth; If our friend wishes to know our creed on the subject of protecting Home Industry, he will find it in this very paper in the Resolutions of the Rochester meeting of the 16th ult. These we think he will pronounce orthodox." But we are happy to hear the other side. Our great object is truth, and the only certain road to truth is free inquiry and discussion, We are willing, therefore, ourselves to hear and to let our readers hear what may be said on both sides of this great question.

We do not consider it at all a party question, but a great national question. We never will present it as a party question, or suffer, so far es depends on usparty considerations to be mingled with it. It is a political question we admit; and a question which concerns the farmers, the agricultural interest of the country certainly as much, perhaps more, than ony other class in our community; and it is one of the most important questions in which they can take an interest.

Our paper shall never be made sectarian or party in any sense, even on the vexed question whether wheat can be changed into chess or chess into wheat, but i shall be open to the well expressed opinions of intel ligent men, on any subject concerning directly or in directly the agricultural interest. The communica tion signed S. W., in the January number, was ad mitted without our knowledge, and before we has reached Rochester. Yet upon review, we cannot see why it should have been excluded. Since the time we have received a communication from S. W on another subject, evidently written with the feeling of a partizan, and reflecting upon one of the great par ties of the country, which we notified him could no be admitted. Our columns shall not be stained b personalities or party reflections or discussions; br if we must lose our subscribers because we adm opinions or discussions, which do not accord with, or own, we will bid every one of the 20,000 farewell be lore we will budge an inch. We have no fears by that truth and patriotism will here triumph; and w ask our good friend to review his decision and com out in his true character as the friend of universa liberty; and at once lend the aid of his good sense an his sound judgment, matured by much experience, i showing the farmers who read the New Genese Farmer, how deeply concerned are the wool-growin

*These Resolutions are unavoidably deferred tilt our nea

rmers of our country in the protection of domestic idustry. We have another word for his private car: low happens it that a man brought up in a free couny makes the most arbitrary of slave drivers whenevr he goes South : or to come nearer home, how hapens it that an old bachelor enjoying for forty years he largest liberty, should be disposed in any form, to ncroach upon the liberty of other men?

Heartache :==perhaps.

We have another letter signed 'Adolescens,' inquiring what has become of Annette, and whether here is to be no answer to Heleu's communication. Now what a luckless wight are we. Who is Annette? 'Oh I where, and oh I where has this Dulcinca fled?" We would answer at once if we knew. And what a Helen's communication that she addressed to us? Was it in some tender strain, some gentle whisperings of kindness, some kind congratulations of some benevolent soul on our arrival in this Western Paradisc? We have not seen it. Very likely our partner, a good for nothing celibate, when he took it from the Post Office, telt that it was warm, and pocketed it at once.

Great Sale of Blooded Stock.

The proprietor having disposed of his farm, will sell by Public Auction, at his residence in Greece, adjoining the Eric Canal, 6 miles west of Rochester, N. Y., on Tucaday, the 29th of March, 1842,

NINETY HEAD OF CATTLE, FOURTEEN HORSES, THREE HUNDRED SHEEP, FIFTY HOGS.

Comprising the whole of his full blooded and grade cattle, of the Improved Durham Short Horn breed, which includes the celebrated Bull "American Comet," who received the first premium at the exhibition of the Monroe Agricultural Society, 1841. Also the beautiful Cow, "Gazelie," 4 years old, now near calving, which has taken the premiums of the said Society for the last two years, with her two heifers, Hebe and Lucilla.

Also, three Stud Horses, sired by imported Turk.
The Sheep ere of the improved Leicester, embracing 14 Bucks of full blood, with a fine flock of ewes

in lamb, and about 100 wethers.

The hoga are Leicesters and Berkshires, all very

The above are the finest selection of improved stock ever introduced into this country, and will afford an nnusual opportunity to those who wish to improve their breed. THOMAS WEDDLE. Rochester, February 18th, 1842.

PEDIGREES OF CATTLE.

"AMERICAN COMET,"—white, calved April. 1838, is by Charles, alias Rover, (1816) dam Prim-rose, by Pioneer, (1821) gr dam, Prudence, by Candour, (107) gr gr dsm by Ketton, (346) gr gr gr dsm by Expectation, (247) gr gr gr gr dsm by Col. Trotter's Magney Pages (2003) ter's Magnum Bonum, (2882) gr gr gr gr gr dam by H. Chapman's Son of Pauch, (122) gr gr gr gr gr gr dam by Ralph Grimson's oull, by Charges, son of Favourite, (282) gr gr gr gr gr gr gr dam by son of Dalton Duke (188).

HECTOR-calved 1840, by Am. Comet, dam Miss Grizzle, by Charles, nlins Rover (1816).

Calvin-roan, calved 1840, by Echo, own brother to Am. Comet, dam, Brilliant, from the Holland Company's Importation.

Phantom-light roan, cslved 1840, by Echo, dam

by Neptune, imported by T. Weddie.

WHITELOCK-5 years old, a Durham Short Horn.

HERO-white, calved 1841, by Am. Comet, dam, Comely, from Jenkin's atock. TRITON-roan, calved 1841, by Am. Comet, dam,

Mountain Lass, by imported Neptune. Eclipse-white, calved 1841, by Am. Comet,dam,

Lilac, by Charles, alias Rover (1816): Pilgris - light roan, calved 1841, by Am. Comet,

dam, half blooded Dorbam.

Frolic—roan, calved IS41, by Am. Comet, dam,

Peggy, by Roman, gr dam, imported Alderney. COWS.

Bull, gr gr gr gr gr dam, bred by Mr. R. Collins' Brampton County, Durham.

HEBE-white, calved 1810, by Comet, dam, Ga zelle, by Rover, (1816) gr dam, Crocus, by Romulus, (2563) gr gr dam, Phae, by Mulbro, (1189) &c. Lrchia-roan, calved 1841, by Am. Comet, dam,

Gnzelle, by Rover, gr dam, Crocus, by Ronnulus, (2563) gr gr dam, Prize, by Malbro, (1189) &c.

Lillac-roan, calved 1839, by Rover, dam, a pure Devon.

Makmarb-red and white, calved 1839, by Leo, dam, a celebrated milker.

MARTHA-ronn, enlved 1837, by Rover, (1816) dam, a pare Devon.

Miss Grizzle-calved 1838, by Rover. Peggy-red and white, calved 1840, by Roman,

dnm, an imported Alderney. FAIRY-roan, calved 1841, by Am. Comet.

Mountain Lass-ealved 1839, by imported Nep-MATILDA-Full Blood, dnm, imported Matilda.

CLARA-light roan, calved 1840, by Am. Comet, dam, a pure Devonshire cow, CHARMING-roun, calved 1841, by Am. Comet,

dnm, Red Rose, a beautiful Devonshire cow.
May Frowen—white, calved 1841, by Am. Com-

et, dam, Patty, by Rover, gr dam, imported Alderney. Broom-red, calved 1340, by Roman, dam, Red

ORPHAN-calved 1840, roan, by Roman, dam, Prudence, by Rover.

FANCY—roan, talved 1842, by Am. Comet, dam, Miss Whitefoot, by Roman.

Gailv-roan, calved 1842, by Am. Comet, dam, Red Rose.

Derchess-white, calved 1842, by Am. Comet. dam, Martha, by Rover.

JANEATT-white, calved 1842, by Am. Comet, dam, Mountain Lass, by imported Neptune.

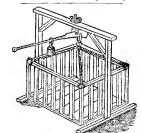
Gest-roan, calved 1841, by Am. Comet, dam, Brilliant, from the Holland Company's Importation. Lovely-roan, calved 1838, by imported Nep-

CLEOPATRA-a Durham Short Horn, of superior milking qualities.

Moss Rose-roan, calved 1840, by Am. Comet. dant, Holderness.
Also, thirty Milch Cows, two yoke of Working

Cattle, several young ateers, and a number of half blooded Durham Heifera, of a very superior descrip-

A convenient credit will be given to purchasers.

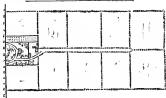


Welghing Machine,

In a late number of this Journal some remarks were made on the importance of the frequent and regular weighing of domestic animals, to determine the best food and management for them. Machines of large size, such as for weighing loads of hay, large cattle, &c. are costly; but for smaller objects, as calves, sheep, and pigs, a cheap and good contrivance is represented in the annexed figure. It consists of merely a steelyard, with the hooks removed, so that it may be suspended to the cross beam of the frame and not twist to one side, and a light wooden eage, for containing the animal, suspended beneath. One side of this wooden eage opens as a gate, and the animal may be either driven in or decoyed by food. If the frame cannot be so suspended as not to turn or twist, the upright GAZELLE—roan, calved 1837, by Charles, alias Rover, (1816) dam, Crocus, by Romulus, (2563) gr dam, Prize, by Malbro, (1180) gr gr dam, Tulip, by Regent, (544) gr gr gr dam, Primores, by North Star, (459) gr gr gr gr dam by R. Collins White

when the animal is not precisely in the centre, cattle of several hundred weight may be weighed. In the latter case however, it is better to have a strong lever, for elevating the cage, resting on a fulcrum near the upper end of one of the posts, and attached by a hinge joint to the extremity of the iron rod, which passes through the cross beam. This lever may be removed when not in use, and the machine be placed under shelter from the weather. In weighing smaller animals, the lever may be dispensed with, provided the cage is several inches from the ground, the animal being made to enter while the open side touches the ground by a propplaced under the opposite side.

Such machines are not only of great value whenever purchases or sales are made, but still of greater, in determining the best modes of feeding and fattening, which indeed constitutes a very large part and often the greatest part of the expenses and profits of farm-JIT



Laving-out Farms.

In a late number of this paper, I offered some remarks on laying-out farms, and I propose occasionally to give some illustrations of the remarks there made. The annexed figure represents a farm of the simplest kind-a right angled parallelogram, where the land is nearly level-a form which very often occurs. It lies on one side of the public road, the sides of which are planted with forest trees. The first enclosure in the middle, has the dwelling-house nearly in its centre, and is planted with trees, for the sake of shade, ornament, and domestic attraction and enjoyment;these trees are not planted "all in a row," but in the graceful and picturesque manner which distinguishes a beautiful natural landscape. Back of the house, is the barn, yard, and other out-buildings. On one side, are the fruit, kitchen, and flower gardens, the lot containing them being of an oblong form, for the more convenient separation of portions of the fruit garden or inclosing pigs, the sovereign remedy for the attacks of the carculio. The orehard may occupy either or both of the lots on each side of the house. The remainder of the farm is divided into fields nearly square, each one of which should be entered by a good, casyawinging gate, from the lane which runs through the middle of the farm. The number of fields may le incressed by making them narrower, without at all changing the position of the land. No farm over sixty acres, except it be of come unusual nature, should be divided into less than ten fields, as the importance of good rotation, and a full command of those fields at all times, and protection from the inroads of cattle, is far more than the expense of additional fences, or the land occupied by them.

The importance of a good lane, must be obvious to every farmer; many, being destitute, are obliged to draw their grain, hay, roots, manure, fire-wood, &c., over ploughed fields to the great fatigue of the teams, or over wheat fields deatroying the crop, or over meadows cutting up the grass, or through pastures destroying the turi, all at an unnecessary expense of many bard-earned dollars a year. A good lane, made level by working down asperities, and rendered hard by gravelling or otherwise, would at once obviate these difficulties: and the trouble and vexation often experienced in driving ungovernable cattle and colta from one field to another, to the great detriment of the interme-liate crop, would be entirely avoided.

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Silk Culture in New England. From Colman's Fourth Report.

I have the greatest pleasure in laying before my readers the annexed communications on the culture of Bilk, from my respected friend James Deane, M. D., of Greenheld, Muss.

They are exact, perspicuous, direct, and conclusive. It would be difficult to ask more in order to de ermine the question of the profit and success of thus branch of domestic economy or household hus bandry, if so it may be called. I cannot persuade myself that, now the paroxyam of the multicaulis insanity is over, they will not attract that attention from the farmers, which their intrinsic importance claims; and from the admirable manner in which they are drawn up, they cannot fail to be read with interest. I commend them especially to the farmers meters. I commend men especially to the similars wives and daughters, if am not presuming too much in thinking they will bonor any portion of my pages with a person. Will not they take an interest in the history of the wenderful and disinterested labors of those humble operatives, to whom they owe so much that is useful and beautiful, ornamental to their persons and gratifying to their taste, -those delicate and exquisite fabrics which were once the exclusive property of the palace, but are now within the reach of the humblest cottager?

MR. COLMAN,—
DEAR SIR,—The past summer, remarkable for the dulation and uniformity of its high temperature, has been favorable to the cultivation of the mulberry tree, but from causes not sufficiently investigated, the rearing of silk worms has been attended, all over the country, with a succession of mishaps and disasters. The la vie composing my own stock were perfectly healthy, and commenced winding their cocoons on the twenty-eighth day, and as in the experiment I deem myself to have been successful, it is with true pleasure that I am enabled to present you a detailed statement of operations, together with some reflections naturally suggested by an acquaintance with this great

subject.

There are several absolute changes in the life of the precious silk worm, which require for their complete developement just one year, and as each change is regulated by peculiar principles, a thorough under standing of them all is es ential to the success of those who undertake its art ficial management. changes embrace four distinct periods, the last termi nating where the first began, to wit : the quiescent sinte, or that of the egg; the state of the larva, or of nutrition and the formation of the cocoon; the chrysalis state, or that intervening between the worm and moth; and finally the state of the moth, or that of reproduction. These divisions are natural boundarice, and they cannot be too well understood.

The period occupied by the egg is about ten months, and when left to the action of natural causes, terminates in the spontaneous production of the young in sect, reciprocally with the first growth of its approprinte lenf, when spring has far advanced. But to render exotic mulberrys which have been retarded by annual transplantation, available, it has been necessary to returd in a corresponding degree the hatching of the egg. This can only be accomplished by subjectthe egg. This can only be accomplished by subjecting it to the continued action of low temperature, somewhere between the freezing point and the 45° of the thermometer. This state should commence be-fore the egg has felt the slight stinfluence of the vernal heat, and the method I adopt is to deposite early in March a tin box, containing the eggs, in contact with ice, and so keep them until wanted. In this way they have been known to keep two years and batch well.

The eggs employed in my experiment were removed from the ice bouse on the 20th day of July, and as an intermediate state between a low and high degree of temperature, they were placed in a cool cellar for a lew days, and then subjected to the

TEMPERATURE OF THE HATCHING-ROOM.

1st day, | 2d day, | 3d day, | 4th day, | 5th day, | 6th day, 730+0 400 760 to see

7 h day.	8th day,	9th day,	10th day,	Hith day,
74- 10 4110	76° to 80°	75° to 51°	750 to 520	76° to 82°

Nearly the entire amount hatched vigorously on the tenth and eleventh days, and all others were rejected. It will be noticed that the temperature was gradually elevated about one degree each day during the hatching process, and was maintained as nearly as possible to 77° during the subsequent feeding state, the essential features of which are presented in the following

ioliage consumed, zoto pounds.	do i	:	6.	96 "	29	26 to	-		2,[8th	:	31.
iso pounds or eccours, or days, and the amount of	o O	. :	0	136	2	7.5 10	:		1, 1716	30. Sept.	30.5
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and the second of laboration				150	8	75 to	-			:	12
	7 60		0	137 "	16	75 to		:		:	(5)
	do		0		7	76 to	:		3	:	25.
	- 6	:	, 3	107 ::	7	75 to	:	:	13	:	3
	one day,	::	. 0	72 lbs.	Z	73 to	ς,	Ist day of 5th ag	<u>x</u>	12	12
cocoons, to tee hounds of teares.	60			Moulting	7	75 to	:	:	130	15	03
The second of the position of the second of	do	: :	or.	: :	-1	01 67		.,	- 1	: 23	13
n pound of slik requires	_		×	61 :	S	76 to		_	- 11	13	21.
Amount of sife, / 108.			-70	50	33	77 10	;			66 33	20.
	ob	:	×	30 ::	X	76 to		:		3	19.
the day. *	6 hours,	11 11	20	18 lbs.	Z	76 to	y of 4th age.	2	1381	:	ž
Aggregate of time employed, 16 days,-12 nours to		23 24		Moulting	3	76 to	:		-	6 I9	17
		,, 6,7	20	15 "	79	76 10	:	٠,	-	N ::	16.
	o o		x	25 "	72	14 to	,,	:		. 17	15.
Weight of eocoons, 100 lbs- (enrysales not studen.)	_	:	œ	:	Š	01 27	:	,,	32	16,	-
	do		00	15 "	7	74 to		:		15,	33
Weight of leaves, 1330 ibs.	5 hours,		×	10 lbs.	8	77 to		t day of 3d age		6 J.	13
No. of worms, 20,000. (pea-nuts.)	_	3		Moulting	80		:	:		4 13,	11.
30 000			_	3.	2	76 to	**	,,		12.	Ξ
Fed once during each night.		30	ī	2 20	E			,,		, II.	9.
	do			12 "	ž	73 to		,,	<u></u> ښت	7.10	20
lated by stove.	ĉ		-	9 ::	ŝ	73 to			 <u>:-</u>	,,	-1
one rain storm. Temperature occasionary regu-	4 hours,	,, 61	13	5 .bs.	79	•		day of 2d age,	<u></u>	÷	5.
Weather hot, with frequent thunder showers and	do			Moulting	3	ot to		:	=	c - 2	ņ
in a standard charge	do	13	_	, 6	2	6 6 7	:.	:	=	,	÷
Leaves chopped fine.			13	ည :	33	73 to	:	٤.	<u></u> ښو	13 13	çu
	do	5:	ī	2 lbs.	81		:	"	-	*,	ţo
	2 hours,	5 feet.	रंड	1 lb.	Se s	76° to	Ist age,	1-t day of 1st age,	Z	Aug. 3	-
	labour.	Share.		leaves.	111	lem eratu e		Ages of the worms.		ing.	Sign
REMARKS.	Am unt of	4	Vo. of	b. of No. of				THE CHICCORD			
		Total Jan.									
3											

The silk worm being a cold blooded insect, receiving its temperature from the stinosphere, the necessity of keeping up a suitable degree of warmth will at once be perceived. The degree of temperature has been found by experience to be not far from the numbers indicated in the table, and it must be maintained not only through the feeding and spanning state, but also through those of the chryselis and moth. indispensable, for in all the mysterious changes of the silk worm heat is the exciting agent; it is nearly in a state of torpor between 50° and 60°, yet it will spin, but the time required will be twice as long, and the amount of silk not half so much, as when stimulated by a congenial degree of heat. Near the temperature of 77°, under neuve management, it completes its feeding state in 24 to 30 days, its spinning state in 5 or 6 more; it is a chrysalis about two weeks, and a moth male laying two or three hundred eggs, the circle of transformation is for the first time broken by death.

French writers compute an ounce of eggs to contain 40 000, but from numerous calculations I have never found the number to exceed 25,000. In this experiment I batched an ounce, and the number of worms was not greater than set down in the table. The novice is always over estimating numbers. stifled the obrysales with camphor, and approve of the method as being cheap, expeditions, and perfectly efficacious, and at the same time not bardening the gum of the cocoon, which consequently reels with uninterrapted freedom. Mass Barton, who recled my solk to those not stifled, because the dead chrysnlides gave

basin. Recling silk is a beautiful process that never fails to excite admiration, yet it is necomplished with ease, and with a little practice and steady perseverance, a young woman will reel a bushel of cocoons, yielding a pound or more of silk, in a day. The art is not however, yet carried to such perfection as to enable us to make the most of our materials, for all but expert reelers waste a considerable portion.

The actual amount of labor required in the first ages of the silk worm is very small, it is an agreeable pastime. But when immense numbers pass into the fifth age, the labor, difficulties and cares become great and incessantly greater, and for the first time we are sensible of the cur rmons service which the establish-ment demands. Then we discover the obstacle, and it is like a mountain; we suddenly find ourselves surrounded by myriads of voracious insects that double their dimensions daily. Dirt and filth rapidly accumulate, signs of putrescent decomposition begin to appear, the weather is perbaps moist and sultry, and finally we perceive indications of disease and confu-sion. These considerations teach as the necessity of preparation, and of perfecting our system with prudent forecast.

The sudden and enormous demand of labor in the fifth age, is the great barrier to an unlimited production of silk. It in a great degree probibits the appli-ention of capital, and the culture of silk naturally becomes an incidental branch of agriculture. Whoever discovers the method of di-pensing with the tedious labor of this age, will confer everlasting obligations upon his country. That it will be systematized, and even in a great degree abolished, I think no one who ber much less annoyance in the heated water of the is acquainted with the subject can reasonably doubt,

thus already attracted the attention of American culurists, and plausible theories have been announced We may confidently predict that when the subject has nee taken hold upon the public mind, as it surely nust, peculiar systems will be unfolded, based upon a tudy of natural laws, and upon the application of scintific principles.

I fed upon burdles consisting of a light frame of wood three feet square, intersected every three inches with broom wire. They were strong and light, and an upon grooves nailed to upright frames, so that hey could be drawn in and out at pleasure, thus affordng great facilities to the operations of feeding and These hurdles are cheap, and, materials caning. neladed, cost less than two cents per square foot, and tre very durable. I placed them in tiers eight inches isunder, and each tier was separated by a shelf a foot n width placed on the same level with the hurdles, to hold the brushwood for spinning. The hurdles were overed with paper, and when the worms left them ir the spinning shelves, they were removed with the ast remains of dirt.

We should anticipate our preparations for spinning, and may derive from our knowledge of the babits of hese insects, many practical applications. When it as censed to out, the silk worm, for the first time in te life, manifests a disposition to ramble. Its desire s to ascend as far as possible, and if no impediments exist, it will wander away many yards. If it can bossibly get to the ceiling it is perfectly satisfied with he corners and angles it discovers there. The entire surface of the ceiling can be readered available, by nailing to it strips of board edgeways, and making mitable communication with it and the feeding shell, which is perfectly practicable. It is a great object with the culturist to get them out of the way, and her instincts certainly harmonize with our wishes. I succeed in the following menner. My burdle rames to menated within two feet of the ceiling, and his spice I filled with green ferns, supported upright, not however quite touching the ceiling. Underneath this mass of brush, which occupied a superficial area of less than forty square feet, we had an aggregate of nearly three bundred feet of hurdles. The communication between the hurdles and the brushwood, was by means of rods and strips of hoards nailed to the hardle frames so as nearly to touch the hurdles. In this way, with a little care, the entire family ascended to the brushwood, which, in a few days, was convert ed into a web of cocoons full forty pounds in weig t. Every hurdle, of which there were thirty, was removed. An ingenious observation of these little artists will suggest a hundred weys of promoting their instructive labors, and the culturist must make his own selections.

From data acquired by practical experience I proceed to draw up a list of expenditures in cultivating silk, which, under judicious management, I believe will be found to approximate actual results. But I must say that there can be no standard of costs, where every thing depends upon skill, knowledge and judg-ment; and since the audacious felsehoods of mulberry dealers have been circulated to accomplish their objecus, I have looked upon published statements with some distrust, and accordingly invite to my own the sharpest scrutiny. Good land, with a warm rich mellow soil, will contain from 10,000 to 15,000 plants of the multicaulis variety, and they may be computed to yield 5,000 lbs, and upwards of foliage. For this amount of fodder five ounces of eggs will be required to be batched, producing full 100,000 cocoons, a quan tity at least sufficient to reel 35 lbs. of pure silk. It sells readily for \$5.50 per lb, and would therefore bring the gross sum of \$192.50.

EXPENDITURES .- For Foliage.

Rent of land,

Preparation for planting,		0,
Planting and drassing two or three times,	- 8	37
Interest on trees worth \$100,	6	θι
Taking up trees, trimming, protecting, &c	5	7%
For Feeding.		
One lad, 16 or 17, first two ages,	\$6	00
Two lads " third age,	6	00
Taree " " fourth "	10	00
Five " . " fifth "	25	00
Gathering and caring cocoons,	5	00
Interest on 2,000 feet hurdles, worth \$40,	2	40
" apartment and fixtures,		00
Recling 35 lbs of silk, 75c	26	25
		~

\$114 74

Not income for one year.

that if his dangitters perform the reeling, every dol as will remain with his family. Can persuasion be wanted to induce him to see if these things he so? Here is no competition to fighten him; the consumption of the article is truly enormous, and no product of the soil finds a quicker market. I will not, however, weary you with further comments, but will close this long letter by expressing my belief, that the enterprise of cultivating silk in the United States will speedily make its way against the tide of prejudice and derision which now sets strongly against it, and that silk will become one of the staple products of our truitful land.

I am, dear sir, respectfully, Your ob't servant, JAMES DEANE.

MR. COLMAN,-

DEAR SIR-1 take pleasure in acquainting you with a very successful experiment in raising silk, made by Mr. Benjamin Barton, of Gill, which I deem to be so conclusive, that its publication is well enleulated to dispel the prejudices which exists against this important branch of agriculture. The silk worms were reared by an invalid member of the family, and the silk beautifully reeled by his daughter, whose smallest daily product was one and one quarter pounds of superb silk of the pea-nut variety. This fact may forever settle the question of reeling, concerning the difficulties of which so much has been said by those who know nothing of the art. Miss Barton is a young lady of intelligence, energy, and ingenuity, and will reel without difficulty in a perfect manuer, two pounds of silk of twenty fibres in a day.

Partly at my suggestion, the details of this experiment were accurately noticed. The weight of eggs hatched was 23 oz. The worms spun in 28 and 29 days. The amount of leaves consumed was 2500 lbs. The weight of cocoons was 248 lbs. The weight of reeled silk was 20 lbs., and the amount of labor was one month, that is, the first half was greatly less than that, and the last days something more The building used was a vacant corn-house, which, of course should not enter into the list of expenditures, and the fixtures were merely temporary shelves of rough boards, and a few hurdles to contain the larvæ, during their three first ages. Neither should there be any charge for eggs, as a great quantity was produced for future use. The expenses therefore stand as follows; Labor, one month, \$12 00; board do. \$6, \$18 00 2500 lbs. mulberry leaves, 50 ets. pr 100 lbs. 12 50 Gathering cocoons, camphor for curing do. Reeling 20 lbs. silk at 75 cts. 9 50 15.00 Interest on reel and fixtures, 1 00

And the income, 20 lbs. silk for which Mr. B. has refused

\$100.00 \$5 per pound, The state bounty of 15 cents on 248 lbs. cocoons. The state bounty of 50 cents on 20 lbs.

10 00 reeled silk, \$147 20

\$49.00

Deduct. 49 00 Profit, including bounty, \$98 20 47 00 excluding

The reader will observe that the cost of cultivation, including every thing, was less than \$2 50 per lb. and that it is very nearly covered by the bounty of the Commonwealth. There is, more-\$6 00 over, another fact that deserves peculiar attention. The worms passed each entire age without the remaral of their litter, which service was only performed immediately after moulting. The worms were remarkably large and perfectly healthy; they were fed during their first three ages with chopped leaves, and during their two last ages on branches. This is unquestionably the best method ever adopted, to promote the perfection of the worm and its economical management. It is in harmony with the natural babits and the peculiar structure of the silk worm, that when large, it shall extend and repose itself upon the stems of those branches that furnish its nutriment. The insect is thereby elevated above its litter, it has a natural support for \$77 76 its body, its respiration is uninterrupted, it is high The farmer must bear in mind that this sum is over and dry above the fermenting mass of litter, and

and above a handsome compensation for labor, in toca, | consequently an immense deal of fatiguing manual labor may be dispensed with. If we can dispense with the distressing labor of cleaning silk worms, except at the period of moulting, we have nothing more to desire; that such is the fact, I cannot doubt, for the instance I have just related, is but one of the many, that the experience of this year has disclosed.

I hope this letter will be acceptable; there is such a degree of prejudice, hostility and ignorance displayed by some leading organs of communication, that facts are either studiously suppressed, or converted into contemptuous ridicule and sarcasm, but truth will triumph still.

With great respect,

great respect, I am always yours, JAMES DEANE.

Greenfield, Oct. 20, 1841.

Uses of Water-Lime.

Water-lime, if properly mixed and applied, forms a water-tight coat wherever frost cannot penetrate; hence it is valuable for,

1. The sides and bottoms of cisterns. These should be covered at the top one foot in thickness with two layers of white oak plank or slabs, (or other durable wood) and an intermediate layer of the mortar. Then cover with earth. Cisterns in cellars will not of course need this covering.

2. The bottom or floors of cellars. The first coat should be mixed with gravel, or pebbles not larger than a hen's egg; the second, of sand, and smoothly spread. Cellars which cannot be easily drained, may be cheaply and effectually kept dry by thus coating the bottom, and plastering the side walls to the necessary height with water-lime mortar. The water will be effectually excluded.

3. Baths, for bathing rooms in basements. These may be finished as elegantly as of cut stene.

4. Underground water-pipes,-by covering a straight smooth wooden rod with the mortar, and withdrawing it as soon as the mortar is set sufficiently, which will be in a few seconds. The materials for this purpose should be first rate, and the ditch dry and beaten hard. The mortar should be mixed in small quantities at a time.

5. The basins of small ponds, for landscape gardening, and watering cattle. For the latter, after the cement has become hardened, it should be covered one foot with earth, and the surface then paved. But where cattle do not enter the pond, and it does not freeze at the bottom, the rim only need be thus cov-

Sharp, coarse sand, and even small pebbles, render water-line cement harder than fine sand. The proportion of sand should generally be about twice that of the lime, but this does not appear to be accurately determined-experiments on a small scale are easy. The mortar sets best, when suffered to become quite dry, before water is admitted in contact with it.

Onondaga Salt .- See to your Pickle

We have recently heard much complaint of Onondaga fine salt. Hams, after being five weeks immersed in strong pickle, were found to be fresh in the centre. Lime is often used by the salt boilers to discolor the sulphate of iron contained in the brine : this enables them to do without bitron pans, which are used to take out from the bottom of the kettle the red sulphate and also the ocherous substances deposited by the brine; this lime or the other precipitates, form a coating on the salted meat and prevent the thorough absorption of salt. Hence the frequent complaints of spoiled meat, when salted with Onondaga fine salt. We would advise all those who have old brine, to scald it and skim it, if not sour; if there is no blood in the pickle, a little fresh blood will cleanse it thoroughly, and render the brine pure, strong, and s. w. caustick.

Queries to a Terrified Editor.

We had supposed ourselves fairly out of the woods. when we replied to our Connecticut River friend's queries, varied and variegated as they were; but alas! how vain is all human confidence! We have heard of a man being in a peck of troubles, which has been ordinarily considered as the extreme of human affliction; but who ever heard of a hushel coming at once We are reminded rather too seriously of the poor Frenchman who fell overhoard, before he had quite learnt the force of the English auxiliary verbs; "I will be drowned, said the poor dog, and 'nobody shall belo me." Now look at the list honestly made up !

1. How shall we prevent gooseberries from moulding? Move the bushes once in three years, and grow them on a single stock.

2. Will my soil do for hemp, or shall I raise broom corn, and how shall I raise hemp, and how shall I raise broom corn? From a noble fellow who never chooses to dine at a public house at another man's expense. Answer next month.

3. How will you kill Canada thistles? Two years careful planting and hoeing, and persuading your neighbors to do as they would be done by.

4. Can you sell my Berkshire pige? Not without a description. What are their developments?

5. Do let us know how you cure the measles in swine? Brimstone and charcoal frequently, before and after they get the disease.

6. Give us a little on Horticulture. What is the best time and mode of transplanting fruit trees?-What are the best kinds of fruit trees; of apples; of nears: and what are the best modern treaties on Herticulture, and where can they be found? Call at M. B. Batcham's store, Rochester. See advertisement.

7. What is the best plan of a Hot-pir Furnses:" what machine will give the most heat with the least wood; what would it cost at Chicago or St Louis? The tight-air stove or Arnott's patent. Can't answer the last query any more than the question debated before the London Club-How far it was from the 1st of August to the foot of Westminster Bridge ?

8. "On a farm of 250 acres, what is the most profitable husbandry? How must I commence? How many sheep and swine, &c., must I buy, and what are the best kinds? How many cows and what breeds? How many teams, and whether oxen or horses, must I keep? How many hands must I employ to do the labor, as I do not expect to work myself? How many acres of wheat must I sow annually? and what quantities and kinds of spring grain? and what varieties of grass for hay and pasture, and what number of acres of each will be necessary for the stock recommended? and lastly, what amount of profit may I reasonably expect annually, if I superintend it faithfully and judiciously ?" Here's a smasher for you! "Yours most truly," with a witness: why didnt he say yours till death us do part," This is undonbtedly a twin brother of our Connecti cut River friend.

9. Will hemlock bushes given to sheep, cause the ewes to drop their lambs? Don't know, Where can subsoil ploughs be had and what is their price? At Worcester and Boston; price reasonable. Once more, could not one of your mechanical friends contrive a small wind-mill?

In respect to the last matter, we have no question of the talent of the Yankees, as we saw lately a picture of a renovating mill for grinding over old people, operating in the most interesting manner, an old decrepit woman just dropping into the hopper, all gone but her feet and her blue woollen stockings lately footed, and coming out at the bottom a charming lass of blooming seventeen.

10. Another friend, who signs himself Plato, the

ed, wishing to know whether he shall fence his wood lot or let it remain in common, or keep the cattle out, all expenses considered. Perhaps they would die if they got in, as Judge t'nine said to the farmer fencing in Kittery common. Whether he can make trees grow in his door-yand where the soil has been stripped off: whether he had better plant horse chesnut, mountair ash, spruce, fir and pine; but then he has his doubts; and then he wishes we should solve all these doubts through the Farmer, or by a private letier. Only twenty private letters a week for a regular manual excreise !

All these men, like good honest fellows, paid their postage, which is not a little remarkable, considering the state of the currency.

11. Then comes an inquiry why butter will not come? We shall answer this in another place.

12. Next a sober inquiry about a disease, a species of murrain among the cattle in Rhode Island, which we wish much that we could answer, but our experience is small and all our books and records are 200 miles off. We advise application to the best physicians in the neighborhood. We have no opinion of Cattle Quack Doctors, though they abound.

13. Have the leaves in hard-wood land been used as manure in your vicinity, and if so, with what success? Will say some other time.

Now this is not one half. We do not complain of it. We like it. It shows the wakefulness of the public mind, which is what we want in order to make progress; for what can we do with men who are asleep? Inquiry, inquiry is what we want. It connot be too setive; too direct; too persevering and pertinacions in regard to all matters of science and practice. From inquiry will grow up, of necessity, observation. Put inquiry and observation together, and then comes truth, that most precious of all gems ; that only safe guide in life; that first of all elements in the power of doing good; that first of all movements in the highway to happiness.

Now there is not not a question proposed to us as above, that is not worth asking, and there is not one we will not endeavor to answer, or get some other person to answer. Let our friends give us answers as may suit their convenience, and let there he as many more inquiries sent in as you please to put. But then, gentle friends, have mercy upon us. Do not, if you find us stopping for breath, thromp us upon the back too hard; we shall cometo presently, and if nothing else will do we'll ask some friend to put us in the Magnetic sleep, and we shall then answer at once.

The above queries, we infer, all come from the "Lords of the Creation." We have many more from the other and better side of the house; but they, we say it in a whisper, are strictly confidential, To the fair friend, who asked something about personal appearance the other day, we only say, "Handsome is as handsome does."

Other Queries.

Adolescens asks some questions, which as well we can, we shall answer. We wish he had been more definite. Does he inquire to what particular science he shall turn his attention and how shall he master it; or does be desire that we should prescribe a general course of reading? In either case, however, we do not know bow we could do better than to direct him to the "School Library," published by Marsh, Capen & Lyon, Boston, which embraces both particular and general subjects, and is prepared with great ability by some of the ablest writers in the country. The volemes are sold separately at all the principal bookstores in the country; and no better service could be rendered to a community of young people than to form a reading club for the purchase of all of them. Besides I therefore, have to go for a preface.

old original no doubt, just coming round as he predict- | these, Harpers' Labrary abounds with useful works, at a very low price, though they have conducted with so much treachery in regard to some works, take for example the Life of Jny, that their books on controverted subjects are to be received with caution. In other respects, they furnish an immense amount of reading on various subjects, at a very low rate.

Female Correspondence.

We publish here a charming letter from Zelia, a kind lady, who responds to the invitation in our last. We assent to every thing she says, and wish we could say it half as well. If she would only have subscribed herself Rosa, or Lilia, or Japonica, or Dapline odorata, how much more appropriate! But we welcome her to our columns under any name she may choose, thinking he must be a lucky fellow who can alter her name at his pleasure. She will find a kindred spirit in W. B. in this paper. What effect her letter will have upon this poor fellow when he comes to read it, we cannot say. He is quite plaintive she will perceive, the natural effect of his condition. We cannot quite agree with him that woman is never so lovely as when "administering to the drooping wants of the lily, or watching the expanding beauties of the rose." Though fairest among all flowers, yet we think them much more lovely when 'tying the old man's slipper;' or watching the expansion of far fairer flowers than those, which bloom only to perish on earth. But we are growing too sentimental. It won't do, Zelia! we must leave that to you. We, had once some fire, but it is only ashes now.

M. COLMAN-

In the last number of your paper you say that you will be glad to hear from your female friends, on the subjects of gardening, floriculture, and other domestic matters. I am exceedingly glad that you have so promptly suggested this matter, and love it will not be in vain. I hope that your generous and praiseworthy efforts to render your columns instructive and interesting to your female readers, will be by them fully appreciated, and that they, on their part, will not withhold that co-operation, which their duty as well as their interest should prompt them to bestow. The object of such journals as yours, being to promote improvement in domestic as well as rural affairs, cannot he fully attained without female a'd-aid of those whose chief duties consist in domestic management.

Your extensive and intimate knowledge of the condition of our rural population, renders it unnecessary to tell you of the faultiness of female education in the country. You are aware that those of us, who have been well instructed at home, in household affairs, have not received a liberal, or seldom, an ordinary school education; and on the contrary, when much care has been taken to give us a polite education, that the home branches have been neglected, forgotten, and eventually despised; this remark, you know, sir, will admit of general application, though there are,

of course, numerous except ons. Home and school instructions are by no means properly blended, and until they are, we need not expect to find a great number of temale essavists on rural or domestic economy. The increased attention, however, which is now given to the improvement of agricultural science, and particularly the landable effort which is in progress to sweken a spirit of home industry-multiply its sources-and afford it suitable encouragement, will tend in a great degree to remove this evil, as well as many others, that have crept into our domestic habits during a period of superficial wealth, and deceitful, and intoxicating pros-

When I took up my pen, I meant to confine myself to a few remarks on ornamental gardening and floriculture by female, the preceding remarks will,

^{*} See N. G. Farmer, vol. t. p. 145, and vol. 2, p. 144.

hich is of all others the most agreeable, the most will be rewarded with the fullest success. onducive to health and imppiness, viz. the cultivaon of shrubs, plants and flowers; those external rnaments of home, that throw around it such an air f comfort and contentment, that cheer, enliven, and enutify country life, that multiply and strengthen the ttachment of families to their home, and that cause it s be associated in the memory, when perhaps far, far listant from it, with the most endearing recollections. I the attention of females can be generally enlisted n this cause, if they can be persuaded to venture out nto the pure air, and, with their own hands, aid in he cultivation of the " loveliest of nature's gems," ben we may expect a change to come over the appearince of our country homes, and such a change as annot but give universal delight. Instead of secng them as they now are, for the most part without a shrub, a flower, or sught that indicates an appreciation of nature's beauties, we would find a shrubbery and a flower garden a certain accompaniment of the dwelling.

Why should we devote such assistances attention to ur furniture, its brilliancy end beauty, and with an unwearied care keep all the internal ornaments of our houses in order, neatness and taste, while at the same time we never think of displaying our taste in outdoor ornaments? Is it right? is it consistent? I am sure the reader will answer no ! and certainly I do. Nothing is more provoking than to hear a woman ask "what is the use of plants or flowers?" Has the Almighty created us without any other than animal feelings and appetites? What a grossness of intellect it must be that can prompt such a question ! yet that same person is an ardent admirer of silk ribbons, and other similar gewgaws, and would not besitate in sacrificing whole days and weeks of valuable time, and spending much hard earned money on fashion and frivality I

The advantage which our hea'th would derive from the delightful labors of the gordin, is another strong argument in favor of it: three fourths of us are complaining of ill health, one of the greatest of human ills; and no one will deny but that it is caused by the delicate manner in which we are brought up. We want more exercise, -we want physical as well as mental exercise in the free open sir; our health and true rational enjoyments have been sacrificed, to unworthy motives. Strange illusion? That in the pursuit of mere phantems, we should so shamefully neglect the means which a beneficent creator has kindly given us, for the gratification of the purest desires of our anture!

How is it possible that so many should seem insensible to the pleasures of the garden ? What more exquisite than to leave the confined stinosphere of a dwelling, and inhale plentifully the balmy breath of morning, aweetened with the perfume of flowers, perform the necessary labor, and roturn to the domestic duties with a glowing check and a healthful appetite? How sweet to plack the opening rose bad, or gather a nesegay which, with our own hands, we have planted and cherished! "As long as I live, flowers shall multiply in my garden, and be cherished in my bosom; and when I die, if any kind hand will place them there, flowers shall smile upon my grave." I fear I have extended my remarks too far already. I intended to allude to other matters, but will postpone them till next month, when you will hear from me agaio, if these humble remarks are worthy a corner of your paper. I do not write with a view of affording instruction to others, but to elicit the views of those who are competent to instruct, that I may my-

There is scarcely anything which legitimately be- happy would I be indeed. Wishing you a hearty ongs to female industry, so much neglected as that welcome to our region, and hoping that your labors

> ZELIA. 1 nm &c. Chesnut Hil', Feb. 15th, 1849.

Cranberries.

We extract the following article from the Maine Cultivator, as highly deserving the attention of farmers. We have had no practical experience of this cultivation, but have known eases in which several acres of swamp or low incadow have been sown with them, which have afterwards yielded a large product. We know one instance upon the best authority, in which a farmer sold of them from his own farm to the amount of more than one thousand dollars. That they are capable of being grown with advantage upon high and sandy land, is to us a new fact; but, from the confidence with which it is stated, it certainly deserves attention. The fruit itself is healthy and, properly prepared, delicious; and large amounts are wanted as well for exportation as home use.

The cultivation of the cranherry Coxycoccus macocarpus) has not, we believe, received much attention in this region.

Most of those usually cahibited in our markets, are gathered by the country people from the bogs and swamps where they grow wild, and without any assistance whatever from the hand of man.

Like all our native fruits, however, the cranberry is susceptible of being greatly improved by cultivation. In Massachusetts many farmers cultivate from one to a dozen acres, and as the fruit brings readily a dollar per bushel in the Boston market, they find them the most lucrative crop they can raise. It is stated in the New England Farmer, Vol. 1x, No. 18, that Mr. F. A. Hayden, of Lincoln, in that state, raised, in 1830, four hundred bushels, for which he received four hundred dollars in cush. This is profitable farming.

Kenrick, asserts Sir Joseph Banks, who had taken pains to obtain the oxycoccus macrocarpus from America, harvested in 1831, from a square of eighteen feet each way, three and a half Winchester bushels, being at the rate of four hundred and sixty bushels to the acre.

The soil most suitable to the culture of this plant, is a low, moist and swampy muck, but large crops have been taken from lands in every respect precisely the reverse of that in which they flourish in their natural state. Even light sandy loam, and in which there is a predominance of vitrious or silicious matter, if manured with compost composed of clay, muck, and swamp mud, and kept uniformly and moderately humid, will produce excellent cranberries. It is even asserted by those who have had ample experience in the business of cranberry culture, that the vines, under this treatment, will not only be much more thrifty and prolific, but that the fruit will also be much larger, fairer, and of better flavor than that gathered from vines in their natural state. On most farms, however, there are numerous low places which might be advantageously devoted to this plant, and wherever such places are to be found on a farm, they should unquestionably be selected in preference to artificial or compounded soils. The method of planting, in or compounded soils. such locations, is to dig holes in the turf, from one to two, or two and a half feet deep, and two feet over. Into these holes are placed the sods or compact turl's containing the roots which are then carefully covered with the soil and a sprinkling of beach sand thrown over the hill. The hills should beach-sand thrown over the hill. be four feet apart each way, which gives ample scope for the vines to trail or branch out. Plants, cultivated in this manner, come rapidly into bearing, after which nothing more is requisite for several years, than merely to give them a slight dressing, occasionally, and to supply new plants where the old ones have decayed, or died out.

A plantation, managed in this way, is a most val-

uable appendage to any farm; and in this section of the country, where the fruit brings one dollar and fifty cents, and often two dollars per bushel, it would be peculiarly so. The labor of harvesting the cranberry is very simple, and very expeditiously performed by means of a rake, constructed exthose who are competent to instruct, that I may myell sively for the purpose, and with which, in faelf learn. Were it in my power to do, asy, or write
anything that would promote the general good, most

case from fifty to a hundred bushels a day. W.

Titles .-- A Rule .

We particularly request that all our correspondents would attach their names, places of abode, and date, to their communications. If they desire their names concealed it shall be so done.

We must ask inclulgence if we withhold in all cases all titles, such as Excellency, Honorable, Reverend, or even Esquire, which in truth is now generic instead of specific; and we should be puzzled to say whom it does not designate, unless it be a woman. As things go, however, it may not be long withheld from them. Jerusha Salmagundi, Esq., for example-how finely that appears-certainly the women cannot long resist the temptation.

In all our official reports for the last four years, we have made an absolute rule to give no title; and it has saved us much trouble. If, however, any of our correspondents desire their titles to be annexed or prefixed to their names, we promise to give all they will honestly send, whether it he F. R. S., which a fellow in England lately assumed, because he said he was Famous for enting Rich Soup, or A. S. S. which may mean Secius Societatis Agricultura, shall be duly displayed. In the last case however, we cannot promise that every one who does not understand Latin shall hit upon the right interpretation; any more than in the case of the Tobacconist, who on setting up his coach and six, desired his earriage-maker to place a coat-ofarms and a motto on the door, which should reprove any who presumed to ridicule his elevation. The coach-maker accordingly put on the door the two Latin words, Quid rides; or why do you laugh? but which, unfortunately, by the illiterate, was read without regard to prosody, and as if it were plain English, Quid

Gypsum.

Josiah Bordwell, of South Hadley, Mass. has 1 acres of pasture ground, and applies to it annually one thousand pounds of gypsum. The same application and at the same rate, has been made 35 years in succession. On this lot he pastures annually one large voke of oxen, one horse, two cows and some years three cows. Prior to the use of plaster, Mr. B. says it required at least six acres of this land to afford as much feed as he has obtained from one acre, by using plaster.

He has also a piece of mowing ground which contains four acres. Two crops of hay are taken from it regularly. On this ground he uses plaster of Paris freely, and applies a top dressing of manure. His annual product of hay is fully sixteen tons.

A Protector for the Defenceless.

The subjoined statement is new to us. It is made on good authority in the Maine Cultivator, and we hope may be well founded.

Muny object to rearing hens on account of their liability to be carried off and destroyed by hawks and In some situations this is a serious objection, as the hen, if suffered to run at large with her chicks, is almost certain to be lost.

But the evil may be avoided. A Guinea hen, if auffered to associate with the flock, will at all times prove efficient in protecting the latter from the bawk, who no sooner hears her voice than he takes wings and carries the war into some other quarter, where his murderous propensities for slaughter may be more easily gratified, and without the fest inspired by so valorous and powerful a foe.

The eggs of these lowls are also highly prized by some, and meet with a ready sale in our markets, being much larger than those of the common hen. W.

A meeting of the friends of Home Industry was held in Rochester on the 16th alt. The subject of governmental excouragement and protection to domestic labor, was discussed in their bearings upon labor in all its forms, agricultural as well as manufacturing, and likewise upon the commercial interests of the country. We may on some future occasion have epportunity to treat this subject more at large.

Seneca County Agricultural Society.

Through the politeness of the President of this Society, we have received a copy of its constitution and by-laws, and of the address delivered at their nanual Fair on the 21st Oct. last. It forms a closely printed pamphlet of 20 pages.

The address is preceded by an interesting sketch of the history of the county, the whole of which we should be glad to transfer to our columns, if our limits admitted of it. It is from the president of the Society, G. V. Sacket, of Seneca Falls.

The country now constituting Seneca county, and in leed Western New York, was in possession of the Indians until 1779, when Gen. Sullivan and Gen. Clinton entered it with a strong military force to repulse the Indians then in alliance with the British troops, and whose incursions upon the settlements of the whites had become exceedingly disastrous and troublesome. The enemy were routed and the combined forces having travelled 300 miles in a circuitous route in the wilderness, came at length upon the Lake shore. Mr. Sacket says that, until this time, none but the captives taken from our border settlements, or perchance some struggling French Jesuits, had ever set foot on our soil. Yet when the army reached the lovely Lake country, as they approached the margin of the Lake " they found in many places instead of a howling wilderness, orchards, farms, and gardens resembling civilized life." These were improvements made by the Indians. Seneca, he denominates the mother county of Western New York. In 1784 a treaty was concluded between the Unite I States and the Six Indian Nations, and the lands east of Seneca Lake were ceded to the United States.

time in this part of the country, is most remarkable. Lands in this and the neighboring counties were then estimated not by the acre but by the lot, (the number of acres in a lot is not stated) and lots which then sold for \$25 per lot, are now worth \$25,000, being an increase of a thousand fold in about 50 years. Who would not have pronounced the prediction of such an advance a mere dream out of the Arabian Tales?

Mr. Sacket then speaks in an interesting manner of the first settlers, some of whom were present on this occasion; one of whom Andrew Dunlap, was the first man who put a plough into the ground between the Lakes, and now in his 83d year, acted as chairman of the committee on ploughs and ploughing on this occasion. The President pleasantly remarks, that although he is in favor of rotation of office as a general principle, yet this appointment he hopes will be continued to this patriarch as long as he can meet with them : and then he hopes to see it descend to the heir, who should occupy the old homestead. A brother of Andrew, William Dunlap, likewise a pioneer at the same time, was on the same committee.

There was no mill in the county so late as the year 1794, nor in what is now called Western New York until the end of the year 1790. Until that time the inhabitants were under the necessity of going to Rome, on the Mohawk river, or down the Susquehannah to get their flour and meal. A family of religionists under the direction of their founder, Jemima Wilkinson, came here in 1789. and built and put in operation the first mill in Western New York in the latter part of 1790. Since that time the increase of mills has kept pace with the increase of the inhabitants and the growth

the largest class, turning 35 run of stone, and capable of flouring 10,000 bushels of wheat daily.

The county of Seneca is 33 miles long and 10 broad, containing 330 square miles. When settled at \$25 per lot, it would have been valued at \$8250. In 1840 it was estimated that 5-6th of the land had been brought into cultivation, and estimated at \$44 per acre exclusive of villages, it would now be valued at \$8,250,000. In 1789 if may have had 75 inhabitants. It now contains 24,000, equal to 75 souls to the square mile. The annual pro-

aucts of	the county	were as to	Hows:	
Wheat,	350,804	bushels a	\$1,00	\$350,804
Corn,	178,671	6.6	,50	89,337
Rye,	5,520	4.6	,63	3,425
Oats,	213,826	44	,25	53,455
Barley,	15,819	4.6	,50	7,909
Buckwh	eat, 19.798	"	,50	9,899
Potatoes	, 263,293	6.6	,25	50,848
Hay,	33,163	tons at	7.00	267,141
Beef & P	ork,20,010	lbs. at	,10	206,610
Wool,	166,551	Ibs. at	,50	83,277
				\$1,122,105

These facts are remarkable and highly deserving of being recorded.

These historical sketches are followed by an address from A. B. Dunlay, the Recording Secretary. The subject is the "Nobility of Agriculture and the means by which it may be elevated.

The agricultural profession is to be elevated by the Archimedean lever of education, scientific and practical education. The agricultural profession is among the most important in the community. It should be among the most esteemed. The current of public opinion is now setting strongly in The change in the value of lands since that its favor. It has been made honorable by the application to its practical improvement of some of the brightest minds, and of men of the highest political elevation and influence.

Immense service has been rendered to the cause by various publications, especially of a periodical character. These have diffused widely a vast amount of information. Agricultural Societies have contributed most essentially to the science and the practice of an improved Husbandry. The means of advancing its progress, however, upon which he dwells with most emphasis, is the establishment of Agricultural Schools. It seems extraordinary that while the teaching of almost every other science and art is effectually and liberally provided for, this, in various respects, among the most important, should have been to so great a degree neglected. These are the main sentiments of this useful and sensible address; and we subjoin an extract.

"Wealth, influence, and talents have long been engaged in building up the agriculture of Britain ; and she will continue to take the lead of usand do what we please-unless science is made the basis of our agriculture. Her legislators are not unwilling like our republican statesmen to grant legislative aid to protect in every desirable way her agricultural interests. We are not launching upon the dangerous sea of experiment—we have well established landmarks to guide us in our Agricultural schools have been establishconrse. ed in Ireland, in France and Germany, in despotic Prussia and Russia. The despotic reformer of The despotic reformer of down-trodden Egypt has established a school for the application of science to agriculture. But here, in this boasted land of liberty, a government emphatically resting upon the shoulders of the farmer, there is not a solitary school to foster and protect this great, this all absorbing interest-an interest upon which is based our national greatness, and upon which depends the peace and perpetuity of our free institutions. We require the physician of wheat; and now in the villages of Seneca Falls to have a knowledge of his profession, before we the greatart by which they subsist; for the intercommutand Waterleo there are 13 mills; most of them of entrust to him our lives and limbs. The lawyer inication of their own actual experiences, and the im-

must understand the laws, before we allow him to take charge of our property; and the divine who has not stored his mind with the truths of both natural and revealed religion, is a blind leader of What then shall we think of the docthe blind. trine that the farmer has no need of preparation in order to fit him for his elevated calling? have our law schools, our medical schools, and our theological schools; and now we ask the important—the weighty question—why shall we not have our agricultural schools?

We now close the subject, trusting that an intelligent and enterprising community will answer the question, as their important interests, individual, social, and political, require—as the spirit of the age and the honor and independence of the nation We have glanced at a few of the means demand. by which the character and standing of the American farmer can be elevated, and his profession raised to that point where nothing shall be above it but "God and the Laws"-means which will bring back the golden age of husbandry, when

"The sacred plough employed The kings and awful fathers of mankind; And some with whom compared your insect tribes Are but the beings of a summer's day Have held the scale of empire, rul'd the storm Of mighty war; then with unwearied hand Disdaining little delicacies seiz'd The plough and greatly independent liv'd."

The address is followed with a list of premiums and the names of the successful competitors. Few things will more contribute to the success and popularity of the Society, than the publication annually of its transactions, annexing the address, the reports of committees, the names of the winners of the prizes, their accounts of their cultivation and management in all their details, a list of members, a list of officers, a list of premiums, and generally some valuable agricultural communication or information which may interest the farmers. This being sent to every member, will put him in mind of paying his subscription, will lead him to induce his neighbors to become members, and will create an interest in the Society most canducive to its increase, its successful management, and its beneficial fruits.

The following are the Officers for the ensuing

President, G. V. SACKET. Esq., Seneca Falls.

Vice Presidents, NATHAN W. FOLWELL, Lodi. TRUMAN BOARDMAN, Covert, WM. R. SCHUYLER, Ovid. JOHN D. COE, Romulus, JOHN Y. MANNING, Variek, JOHN JOHNSTON, Fayette, JOEL W. BACON, Waterloo. MATTHEW W. WEST, Junius, JASON SMITH, Tyre, JACOB KISHLER, Seneca Falls. ABIJAH B. DUNLAP, Ovid, Rec. Secretary. SAMUEL WILLIAMS, Waterloo, Cor. Sec'y. JAMES STEVENSON, Jn., Waterloo, Treasurer.

Sleeper's Address.

An Address delivered before the Agricultural Society of Westborough and vicinity, Mass., Oct. 1841. By JOHN S. SLEEPER, Esq.

This address abounds with sensible remarks and useful suggestions, and advice to the agricultural classes, given in a perspicuous style, which is not a common characteristic, and in a lively and playful mannerso as to attract attention : which is as it should be.

The Society before which this address was delivered. consists of farmers of Westborough, one among the best farming towns in Massachusetts, and some of the neighboring towns, who meet occasionally and frequently for mutual inquiry and discussion in relation to arting of such information as any may have acquired. hey hold likewise in the town, an annual cattle show. which they display their best stock, and exhibit sames of their products, which are examined and reported aby committees appointed for that purpose. This is a ecimen of many societies, founded on the same plan, different parts of the state. They are eminently melicial; they stimulate inquiry; they arouse a wholemeemulation; they lead to experiments; and are inrumental in diffusing a good deal of practical infor-

We should be glad to give this address entire, but our nits ferbid it; and we must confine ourselves to some rief quotations.

"Out of thirteen millions of the population of reat Britain, engaged in various pursuits, nine milons are employed in agriculture! And the soil of reat Britain is by no means unturally fertile, but retires the continued application of art and labor to ep it in a highly productive state. Yea, in Great ritan land represents more than screetimes the valof manufacturing capital, four fifths of which capil is employed in furnishing the requisite supplies to riculturists. And the average nett profit arising om the immense landed capital is estimated at sevenn and a hulf per cent. It is therefore generally lmitted in Great Butson, that agriculture is the basis British prosperity, and the chief pillar of the govnment; and the broader and firmer the foundation, ie more profitable and durable will be its concountant lies, manufactures and commerce.

This fact is well illustrated by an allegorical sign r a country inn, called the "Five Alls." It repre-ents five human figures, beneath each of which is a notto. The first figure is a king with his regalia; is motto, "I govern all." The second, a bishop in is pontificals; motto, "I pray for all." The third, lawyer with his gown; motto, "I plead for all." ourth, a solder in his regimentals; motto, "I fight or all." And the fifth, a furnar, in appropriate merall." And the fifth, a farmer, in appropriate cosme, with his scythe and rake; motto, "I pay for

In the United States, the actual produce of our pil, unless in seasons of great scarcity, after supply g the demand for home consumption, furnishes three urths of our exports to foreign countries. And our gricultural riches thus give an impulse to commerce id manufactures, and enable us to import comforts ad luxuries from soroad, by which a revenue is deved for the support of the government.

According to the Report of the former Secretary of re Treesury, giving the volue and quantity of the gricultural productions in the year 1839, it appears ist in that year the article of greatest value produced The number of tons computed to have en raised, being 9,830,415, which at 80 cts. a hunred weight, the average price in the New York marat, amounted to the enormous sum of \$157,286,840! 'he article next in value was Indian corn, 08,161,445 bushels, which, at fifty cents a bushel, mounted to \$154,080,223. After this comes cotton, nounted to \$154,080,223. After this comes cotton, bout one billion three millions of pounds, which at even cents, gives \$114.909.577. Then we have heat next, amounting to 75,983,449 bushels, at one ollar a bushel: potatoes, one hundred and two milone of bushels; which at 42 cts., gives 42,882,000 ollars. Products of the dairy, equal to 31,159,000 Oats, at 33 cts. a bushel, smounting to 33 nillions of dollars: then sugar, 19 millions of dollars, and tobacco at 10 cts. a pound, amounting to \$14,-20.000

In these returns the product of North Caroline, Lentucky Florida and Wisconsin, are not included: nd it is believed that the production, as published, is ally ten per cent, below the actual product. Enough owever is know to setisfy the world that we possess nmense wealth. For the annual value of sgricultuel productions alone, as officially given in this Report, neerly seven hundred millions of dollars! This was the product in 1839: that of 1840 was certainly en per cent. greater; and there is good reason to elieve that the product of 1841 is larger still.

On reflecting on these facts, every patriot must wish hat agriculture may experience the fostering care of government; that our legislatures may do more for he former, instead of undoing what has already been lone: that agricultural societies may multiply in our and where facts may be gathered and knowledge liffused; that well-conducted agricultural publiceions may be well sustained by the agricultural comnunity, and circulate extensively on every side; that

in our colleges

"In concluding this address, I would say to all farmers, cherish your occupation, and maintain its respeciability on all occasions, and at all buzards. trathful to yourselves, and you will find no one to dispute with you the untiquity, the nulity, or the clevated character of your occupation. Be industrious; for industries the handland of health, and the key to unlock golden treasures. However great the benefirence of nature, she gives nothing gratuitously

Study and practice economy, for it should ever be remembered, that although labor creates wealth, economy accumulates it. By economy I do not mean a sordid, grasping, avaricious spuit; for true economy is as far removed from that on the one hand, as from heedless extravagance on the other.

Study the comfort and happiness of your family, but avoid luxury as an evil of magnitude. Remember that the introduction of luxury into kingdoms, states, or empires, has precipitated them from the summit of power, and from the most flourishing pitch of glory and renown.

Be temperate in your habits. On this much de-The pure water which gushes from the tillside, and meanders through the fields and meadows, is the drink which the bounteous Giver of all good designed for man. Intemperance is a rock on which many a gallant barque has been wrecked. Indeed, industry and economy cannot be practiced except in connexion with temperance, as the hapless fate of many otherwise able and worthy husbandmen have proved. It should ever be borne in mind, that in this country, industry, fragality, and temperance will always conduct a man triumphantly through the paths of life.

Cultivate your minds. This may be done by read ing, by study, or by conversation. A good farmer, who manages his concerns as they should be managed, will always find time to cultivate his intellectual faculties, as well as to exercise his physical powers; times when the mind should be exercised as well as the body; when information on various subjects of general interest should be obtained, of a character more solid and cuduring than can be found in the newspapers of the day. Books and periodicals may be had in these "go ahead" times, on almost every subject, in forms exceedingly cheap, and well-selected social libraries should be established in every town or village in New England.

See that your children are well educated. Let your sons be instructed in the various branches of useful learning, that they may become active and worthy members of an enlightened community. culcute on their minds elevated centiments and liberal principles. Teach them that they should not live for then selves only; that in this republic, every men is a pillar of the state, and exerts an influence in society, and has indispensable Juties to perform, to his fam-

his country, nd his God. Let not the education of your daughters be neg-lected, for on the character of our women depends the future late of our country. Teach them early to look upon the labors and the profession of a husbandman, with smiles and sympathy, for we all well know, that in civilized communities, where the influence of the gentler sex is all powerful, as it should be, no enterurise can succeed, or become popular, without being cheered by the similes and sympathy of woyour daughters so that they will make good farmers' neires, and, if thus educated, they will reflect honor on any station, however exalted, and be worthy to become the mothers of freemen.

Floriculture.

Bring blossoms of every line and name, And buds for opening youth, Garlands for honor and wreaths for fame, And fadeless flowers for the purest flame Of the heart's enduring truth.

Flowers for the mourner, flowers for the bride, Or garnish the hall of death, Or garnish the hall of deam, And to strew the hiers of them who died In youth and age and manhood's pride, Locke.

In all ages and in every clime, the love of flowers has been cherished and cultivated with increasing attention and admiration. They have received the fondest titles that sympathy or affection could but Spanish white is apt to roughen and injure the Friculture may be made a branch of study in our offer, and in their opening petals and fading beau. glass.

schools; and that a professorship may be established ties, they invite to the most pleasing reminiscences and affecting reflections that are associated with life. In the one, we behold the morning of our own existence beautifully exhibited with freshness and dews of youth upon us; while the other, invites the reflection that " all flesh is grass, like the grass it withereth, and like the flower it fades and its goodliness passes away." Thus every age finds in them some emblem of its own fleeting being, and every circumstance of life may hail them as coun-

> In ancient times they were employed to deck the feast, and strew upon the bier and grave where affection called the admiring crowd for convivial festival, and weeping sorrow laid its loved one to repose. They were spread in paths of triumphant warriors as the emblems of victory and honor; and in gay wreathes adorned the brow beneath which gay and happy hearts beat in holy response at love's pure rituals.

> They bloom alike in the limited territory of the cottager, and in the proud and extended parterres of the wealthy and the gay.

A love of flowers has ever been regarded as an index of moral excellence and intellectual refine. ment. Who that beholds their unostentatious elegance, their gay simplicity, and unassuming beauty ever turn away from them without being impressed with the emptiness of artificial pomp and splendor? Who that witnesses their evanescence, will not read effectually the lesson of universal frailty and decay? For childhood and youth the cultivation of flowers presents an imposing employment and an interesting and instructing amusement. In the period of existence, when care does not present its corroding anxieties; when the spirits are free and buoyant, and the world smiles fresh and gaily on every hand, when expectation is buoyant in looking through life's vista as upon a bed of flowers; when home and dear associations are binding the soul in a thousand ties as indissoluble as exis. tence; when every scene and every object is impressing the mind with images which are to dwell like bright spots upon the memory, when manhood comes with its sober reignand age with its furrowed brow and silvery hairs,-in the morning of being when every action does its full share towards laying the foundation of thought, feeling and principle for life, what employment for lessure hours can be more appropriate, than aiding the floral world in its grand designs of beautifying the earth, and what teachings of wisdom can be more powerfully inculcated than those taught by the simplicity and purity of nature?

To the female sex, in every period of life, it effers considerations of great and abiding import. From them they may derive rich lessons to aid them in rearing the temple of the mind in those who are to succeed them, a sphere peculiarly their own, and to close with a response to the interrogatory of another, there is no object in nature more beautiful than a young and lovely woman seen in a parterre of flowers, herself the fairest, adorned with innocence and virtue, administering to the drooping wants of the lily, or watching the expanding beauties of the rose. W. B.

February, 1842.

Cleaning Glass.

The French mode of cleaning fine glass utensile, &c., gives them great brilliancy. It is done by finely powdered indigo, and dipping into it a moistened linen off with o perfectly dry cloth.

As a substitute for this, fine sifted ashes, applied by a rog dipped in spirits, will also answer very well;

Improved Stock.

We invite the particular attention of those interested, to the sale of Mr. Weddle's Improved Stock, advertised in this number. It presents an opportunity of obtaining some of the best animals of the kind for breeding, to be found in this country.

Agents for the New Genesee Farmer.

In addition to the numerous Postmasters and other friends of Agriculture who have kindly aided the circulation of this paper, the following persons will recave Subscriptions in their different towns and cities. Boston, Mass. Messrs. Little and Brown; Ruggles

Nourse and Mason: Hovey & Co. Newburyport, Mass. J. Colman. Clarendon Harris,

Woreester " D. Bixby, John M. Ives; Francis Putmen, Lowell. Salem, .. James Deane, Greenfield,

44 Charles Coolidge, Lann. 64 S. Proctor, Danverse. Portsmouth, N. H. Nath'l March,

Providence, R. I. Huan I March, Providence, R. I. Hiram Fuller, Hartford, Ct. E. W. Bull, New York, Theo Foster, "King & Co., 199 Broadway.

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" Samuel Kerr,
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CLOVER AND TIMOTHY SEED.

OF the best quality, free from foul seeds. For sale the Seed Store, M. B. BATEHAM.

THE subscribes have discreted a large lot of the above mention have discreted a large lot of the above mentions have discreted a large lot of the state of farmers, mechanics, and others who wish an article from which the cheapest light may be obtained from the use of Lard. They burn well, and in a great one-sure are doing away the use of oil. For commy they are not surpassed, and are worthy the tren of overn domestic economist. To be had at No. 3, Exchange-st., at wholesale or retail, EBENEZER WATTS, & Co.

Rochester March 1st 1812.

FARMS.

FOR SALE, on a long crelit, a farm of 50 acres—10 acres
improved—with a good house and barn upon it, in the
town of Ridgeway, triteans to. Also a farm of 110 acres—
70 acres improved—with two hous, as and a barn upon it.
North Clarence, Eric county. Apply to Wm. R. Montgomery at his office, or to

H. MONTGOMERY,
Rochester, Feb. 7, 1-42.

No. 14, Spring-st.

Fruit and Ornamental Trees, Shrubs, Green House Plants, &c. &c.

Fruit and Ornamental Trees, Shrubs, Green Hones Plants, &c. &c. all orders for Prut and Ornamental Trees, Flowering Shrubs, Green Prut and Ornamental Trees, Flowering Shrubs, Green all other articles in the Norsety line, on the most noderate terms. Persons who are about establishing new Nurseries, or wish to act as agents for the sale of any of the above arrequested to communicate their intentions to us immediateless, will be very liberally dealt with, and all such arrequested to communicate their intentions to us immediate estimate of a present green, they will do well to mine their orders, and let one person forward them, to whom a declaration of a present green, they will do well to mine their orders, and let one person forward them, to whom a deviation of a present green, they will do well to mine their orders, and let one person forward them, to whom a deviation of a present green they will do well to mine their orders as soon as possible, so that they may be forwarded in due as a substitute of the state of the substitute of the substi

Valuable Works on Horticulture and Agricul-Just received by Rail Road, from Otis Broaders & Co. publish-

Just received by Rail Road, from Oits Evouders & Co. publishers, Borlon

THE NEW AMERICAN ORCHARDIST; or an acciount of the most valuable varieties of PRUIT, of at ilmates, adapted to chitvation in the United Sates; with their history, modes of cuttors, management, uers & ...

and flawers, the agricultural resources of America, and on Si k. &c. By Wi ham Keurick. Third ebition, entarged. THE NEW AMERICAN GARDENER; containing practical directions on the culture of racurs and vaccinations, the value of the Containing fractical directions on the culture of racurs and vaccinations, Strawberries, Si,k. &c. By Thomas J. Fissender, Cliver of the New England Farmer. Fourteenth edition.

THE OMPLETE FARMER, and Rural Economistic containing a compendious epitome of the most important branches of Agriculture and rural Economy, by Thomas G.

The abave three books uniformly book of carged.

The abave three books uniformly book of carged.

M. B. BATEHAM.

GENESEE NURSERY.

GENESEE NURSEIXY.

THIS subscriber has constantly for sale at his Nursery on A Main street, one mile East of the Bridge in Ruchester, achoice se action of Apple Trees of large sire, warranted of the kinds represented, embracing about 49 of the best varieties for Sminner, F.-ll, and Winter use, price 25 else per vice, a liberal discount to those who may purchase in large quantities for retailing; order from a distance containing continuous or good only reference and the reast properties of the second o

The above Establishment has been carried on in this town over 20 years.

UST New Arrival from England,
I ust received from London via. Boston, a large ensorton ment of seeds of the growth our fluorer, Boston, falltime from the control of th

Hatch's Sawing Machine, in Ohio.
I Namever to several impures on the subject, Mr. Hatch
announces that he is willing to dispose of the right of his
machine for the whole is ate of Ohio, on very reasonable
terms; also, that one of the machine, may be seen at the
farm of J. W. Smith, Esq., Maumee City; and one will be
sent to Cleveland, on the opening of navigation.

LIEBIG'S AGRICULTURAL CHEMISTRY—For sale Limit the Seed Store, price \$1,50.

A Nurseryman Wanted, in Ohio.
THE proprietor of a well established and favorably situated Nursery Garden at Columbus, Ohio, wishes to engage a MAY of some experience in the husiness, to take the management of the establishment, either as a partner, or for a salary. Address, it by letter post-paid. J. A. LAZELL.

Columbus, Ohio, Feb. 1, 1841,

Colembus, Onio, reco. 1, 1711.

GREAT SALE OF BLOODED STOCK.

I propose to sell by Public Auction, on Tucsday 29th
March, at my farm in Greece, adjoining the fare Cannia,
st miles west of Bochester, all my thoseld and grade stock,
melading my choice Darham Cattle, Horses, Leicester
Silecep and Bogs, the particulars of which, with pedigrees of
the same, will be given at a fature day

110'S WEDDLE.

Rochester, Jan. 28, 1-42

THE subscriber is new prepared to furnish in large or small quantities, the fuest varieties of Fruit Trees. Flowering Shraits, Herbaccous plants, Buthous Flowering Shraits, Herbaccous plants, Buthous Flowering, Boulde Deblas, Green house plants, &c. &c. Alogen, GARDEN SEEDS, raised by the proprietor at the Rochester Seed Garden, and put up in bosses or package and of superior quality.

Orders for the Spring, will be promptly attended to on very liberal terms, when accompanied with cash or satisfac-

very liberal terms, when accompanied with eash or satisfac-

ctions will be made by the proprietor, when requested.

C. F. CROSMAN.

Rochester, Feb. 1st, 1812

NEW CUSTOM Mild.-The subscriber havin NEW CLETOM MHL.—The subscriber having taken the White Mill on Water Street, East side of the river for the purpose of running it as a Custom Mill would give notice that he is now prepared to do work in as short a time and as well as any Mill in Western New York, and with his facilities and a cleve application to hostiness, he is in hopes of meriting and obtaining a share of public patronage. WANTED minediately, 5000 time Meart, also Barley, Beans, Oate, Pows, Grass Pecc., Flax, Flax, Sood, Bristles, Bees Wax, and field Fruit for which the highest market

price will be paid

N. B. Flour will be at all times manufactured on the most N.B. Flour will be as a times manufactured who wish grain around.

W. C. FOSPER, Rochester, January 1, 1844. 3 m

Rochester Seed Store and Agricul-

Rochester Seed Store and Agriculjaval Expository.

THE propriete of the establishment, would now inform
Instricture, the third prelimitistic the charge of the
New Genesce Farmer, [wabler hands,] lie will hereafter
devote his whole attention to the business of the Store,
conflict that he will there by give increased satisfication to
his customers. A full supply of nearly all kinds of SEEDS
are now on hand for the coming season; part of their raise
of in this vicinity the past season, by C. F. Cooswan and
other careful seed-grovers, and the rest obtained from the
most respectable foreign sources. Knowing that success in
this business must depend on artificial ground home of the right
kinds and the best quality.

Of Aonteductureal Institutions, General Tools, Books, &c.,
When the control of the control of

there is a good supply on hand, but many more will be ob-tained in the spring, when it is intended to enlarge the es-tablishment so as to allow more room for this class of arti-

cles.

MERCHANTS will be supplied with seeds for retailing, at very low prices. The usual number of Agents will receive assortments on commission as heretotore, during the win-

EF CATALOGUES gratis. Rochester, Feb. 1-12. M. D. BATERAM.

A FINE FARM FOR SALE-Of fifty acres of the centre of the flourishing city of Rochester, N. Y. on the south-east road leading from Monroe street cast, and half a sourh-cast load raning run months street ead, and nat mile from the city line. An ew house, barn, and fences—a fine orehard, good wood and twater, &c.

For further particulars, enquire on Ye premises, or address C. W. J. Robester Post Office, N. Y., Post pa.d.

Rochetter, Dec. 25th, 15th

THE NEW GENESEE FARMER,

AND GARDENER'S JOURNAL. VOLUME THREE-FOR 1842. THE Cheapest Agricultural Paper in t Umon:-16 Large Pages Monthly, (with engraving only 50 Cents per year!!

HENRY COLMAN, EDITOR. (Late Agricultural Commissioner of the State

Massachusetts, and Editor of the New Eng. Farms Massachusetth, and Editor of the Neto Eng. Farms Grateful for the extensive patronage which the New G case Farmer has received during the past year, the proprie now has the satisfaction of announcing that the has mi such arrangements for the coming year as cannot fail to highly gratifying to the readers of the paper, and secure it a still more extensive circulation. Post Masters and their Assistants, are authorized and specifully solicited to act as Agents and remit subscripts for the Farmer. The only conference into the Agents, I it is helicycle they will find a reward in the benefits will treatly the circulation of such periodices in their near

esult from the circulation of such periodica's in their neg

result from the circulation of such periodicals in their neighborhoods.

3.7 Persons andering appears are requested to driving observations and be careful to write plainly the names of a sorders, their Past Office, County, and State; and in cases to send the money with the order, so that the perplit yof Keeping accounts may be avoided.

TERMS.—If current money is sent (such as New Yor New England bills,) commission will be allowed as for New England bills,) commission will be allowed as

lows: — \$3.00 Payment always to
Seven copies, for 5.00 Payment always to
Twenty-five do, for 10.00 made in advance,
No coumission will be allowel, if unerrent more year
Aidress, BATEIIAM & COLMAN,
December 1, 1-11.

ROCHESTER PRICES CURRENT. CORRECTED FOR
THE NEW GENUSEE FARMER, MARCH I, 1842. W11EAT,....per bushel,....\$ 1,06 a \$ 1, CORN,..... "

CORN, " 44
OATS, " 28
BARLEY, " 44
RYE, " 53
BEANS, White, " 62
POTATOES, " 25
APPLES, Decert, " 38
FLOUR, Superline, per bbl 5,00. Fine, ... " ... 4,50..... 1,25..... SALT,. PORK, Mess,.... " 8,00.....per 100 lbs..... 3,00..... BEEF,

FOULTRY,....per lb.... 6..... EGGS, per dozen,
BUTTER, Fresh per pound
Firkin, "
CHEESE, " 121 123 10..... 5..... LARD. " ... 6..... TALLOW, Clear, " ... HIDES, Green " ... SHEEP SKINS..... 33..... PEARL ASHES, ... 100 lbs., 5,00..... POT, " " . 5,25...... WOOL,pound, ... 30...... 30.....

6

GRASS SEED, bushel, 1,25 1,7
CLOVER SEED, 6, 6,50 7,0
New York Market Ashes—a small lot of Pots have lusid at \$0,30, and another of Pearls at \$5,75.
Flour—There ir no change in prices, and a dall marke 250 harrels Genesce were taken for export, at \$6,124, 86 400 barrels Richmond county sold at \$5,75 a \$5,21 and harrels Gram Mey at \$5. Troy Flour is held at \$6,00,512 https://doi.org/10.1006/j.j.com/10.1006/j.j.c

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Monnee Co. As. Society. And Miss Beecher's Treatise on Domestic Beonomy. The Winter of 1841-2.

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Descents for the Defence ess.

Cultivation of Cramberries. Titles - a Rule. Gypsum. A Protector for the Defence ess. List of Agents. New Agricultural Advertisements. Prices Current.

From the Power-Press of J. I. Reilly & Co.

M. B. BATEHAM, Proprietor.

ROCHESTER, APRIL, 1842.

HENRY COLMAN, Editor.

PUBLISHED MONTHLY. TERMS.

VOL. 3.

TERMS,

11FTY CENTS, per year, pagable always in advance.
Post Masters, Agents, and others, sending current mony
free of postage, will receive seek copies for 83.—Theelete
opies for 83.—Theely-free copies for \$10.
The postage of this paper is only one cent to any place
within this state, and one and a half cents to any part of
the United States.

Address M. B. BATEHAM or H. COLMAN, Rochester,

IF For Contents see last page.

The Monroe County Agricultural Society

Held a Special Meeting on Thursday, 17th ult., for the purpose of fixing a list of premiums and ar ranging the time and place of the next Cattle Show. The business not being completed, the meeting stands adjourned to the 2d Tuesday in April, being the 12th day of April, at 10 o'clock, A. M., at the Areade in Rochester.

Much interesting matter will come before the meeting and a general attendance is requested.

Gardening.

For remarks on the time for performing the differ ent operations in the garden, we must refer our readers to the two former volumes of the Farmer, More particular directions for cultivating various garden crops, will be given in successive numbers during the present spring and summer.

Rolling Wheat in the Spring.

Mr. Colman-

It is evident that much of the wheat through the country, especially on moist mucky lands, is injured by the frequent freezing and thawing during the past winter. Unless something can be done to remedy the evil, to some extent, we have to fear quite a failure in the coming crop.

Farmers may say that they have done all that they can do to secure a crop; but there is one thing which, if done in season, may effect a great saving. Let every farmer who has not one, provide himself with a good roller, and as soon as the season of freezing and thawing is over, roll his wheat fields thoroughly, and I have no doubt that it would save thousands of bushels of wheat in Western New York, the present season. Farmers! try it, leaving a part of a field unrolled, and give to the community the result of your experience at M. N. some future time.

Genesee Co., March, 1812.

Editorial Remarks.—Rolling and Harrowing Wheat.

The above advice is seasonable, and, we have no doubt, judicious. We should recommend something more than rolling; and that is, harrowing before rolling. As soon as the land is well dried, give your wheat fields a good harrowing, by passing over them with a horse harrow or one not too heavy; then roll them. In a fortnight or three weeks more go over them again with a harrow and a roller. Do not be afraid of destroying your wheat. Unless your harrowing is too heavy you will not displace or pull up many plants; and the advantages which those which remain will derive from the operation, will be a full compensation for any loss in this way. We have fully tested this matter more than once, having harrowed

our wheat crops twice in a season, and after the plant was eight or ten inches in height; and with decided advantage, having left in such cases parts of the field untouched with a view to determine the expediency or inexpediency of the operation. The result has been highly beneficial. The effect of it is, by stirring the ground, to bring the air to the roots of the plant, and to loosen the soil so that they may extend themselves freely. This induces a vigorous vegetation, and causes the plant to tiller abundantly and throw out numerous shoots from the crown. We advise to harrowing only in one direction. The rolling will serve to break the clods and to fix the plants, which are thrown up, in the ground. In England, wheat is frequently sown in drills with a machine adapted to the purpose; and afterwards cultivated by a cultivator, contrived to pass through and loosen the soil in the rows, as we plough and cultivate between the rows of our Indian corn. This is said always to be beneficial to the crop, though with our imperfect means such refined tillage can hardly be looked for, and, with prices of labor ainong us, might not be compensated.

We have yet to learn the value of constant tillage to the growing plant; and believe it would be found of the highest importance to our Indian corn to plough and cultivate it much more than we do. These suggestions coincide with the true philosophy of vegetation as far as it is understood, as such tillage causes a discharge of ammonia from the decaying vegetable matter in the soil, and quickens the receptive powers of the roots and leaves of the plant to take it in.

Value of Root Crops .- Mr. Sheffer's Practice. MR. EDITOR-

In order to show that all the farmers of Wheatland do not agree with Mr. Garbutt in the opinion that root crops cannot be reised extensively to advantage by farmers in this country, it is only necessary to refer to the practice and opinions of Mr. Gco. Sheffer, some accounts of which have repeatedly appeared in

In a conversation Held with him a few days since, he stated that the quantities raised by him the past season were, as nearly as he could estimate, as fol-

8 acres of potatoes, yielding

3 " of Sogar Beet and Mangel Wurtzel, 2,500 " 2 " of Carrote,

3 " of Ruta Baga, (injured by drought) 900 " 6.500 **

Making in all, The Beets, Carrots and Turnips, he finds by actual calculation, cost him on an average less than 6 cents per bushel, including all expenses; and he considers them worth shout double that price for feeding stock; the beets he feeds to cows, oxen, fatting coule, &c. ; the carrots for horses and hogs, and the rnts bagas for

His farm stock the past season consisted of--

60 head of horned cattle,

12 Horses. 190 Sheen.

128 Hegs, (56 fatted).

If Mr. Sheffer were as expert in the use of the pen as he is with the plough and hoe, he could easily furnish statements of the results of his experiments that would plainly show the advantages of root cultivation. M. B. B.

Remedy for Choked Cattle.

Mr. Enitor-

In last month's Cultivator I noticed a simple instrument recommended for unchoking cattle; but simple as it is, I consider it would be very dangerous in unskilful hands. Having some years ago lost two valusble cows by quite as simple a thing being pushed down their throats to unchoke them, I would by no means recommend the use of it. In discarding it, however, I will substitute a remedy quite as simple and efficacious, and much safer. Take a round stick about 12 inches long and the circumference of a commen rolling pin, used for rolling out paste, cut a notch round each end of the stick and tie some twine in the notches; put the stick into the creature's mouth and festen the twine round each horn to keep the stick in its place; when this is done, turn the animal into a yard, and have a litt's patience, and it will unchoke. I have tried this frequently, and never knew it to fail. I am not philosopher enough to explain the principle of this operation, but I imagine that the external air or the breath of the animal, or both together, act upon the substance and corrode it, so as to allow the cresture to swallow it. Be that as it may, you may rely on the practical result. Yours truly,

January 20, 1842.

B. M.

AGRICULTURAL INTELLIGENCE.

HEREFORD AND IMPROVED DUNHAM CATTLE .- It stated that at the great Agricultural Cattle show last outumn at Smithfield, the largest ever holden in Eng. land, out of eleven premiums open to general competition, the Hereford oxen took

Three First Premiums. Tivo Second Premiume.

One third Premium.

The Durham oxen took

One First Premium. Two Second Premiums, Two Third Premiums.

Earl Spencer, the great advocate and breeder of Durham Short Horns, admitted the defeat; but expressed his determination to best the Herefords tho next year. We shall see.

FARM School, -- Benj. Bussey of Boston, Istely deceased, with most distinguished liberality, has left, at the decease of some heirs, ball of his estate, valued at more than 300,000 dollars, for the establishment of an agricultural school on his beautiful and highly cultivated farm in Roxbury, six miles from Boston. It would be difficult to find a more eligible location for this object; and the farm is one of the most improved in Massachusetts. No expense has been spared in its cultivation; and the stone walls upon it in particu. lar, for their firmness and beauty, considering their extent, are not equalled in the country.

CORRESPONDENCE.

Nothing could be more gratifying to us than the recention of the subjoined letter and the annexed communication under the head of 'Scientific Agricul-TURE.' It is the bright face of an old friend in a strange land. Who does not know the sunshine. which such an incident at once pours into the soul. We welcome him to our columns in fulfilment of his promise; obligations which so few men are apt to remember at a distance of four hundred miles. We beg to assure our readers that communications from this source will always be entitled to the highest respect and confidence. Our plainest matter of fact men will not, we hope, be deterred from their perusal. Facts are valuable; and not less important must it be in many cases to know the reasons of those facts. To search into the causes of things, and if possible, to unravel the mysteries of nature, is one of the highest exercises of the human understanding. Our line is limited, but let us not think that we have reached the end of it, while we have the power of trying to go farther. Truth does not always float upon the surface of things. The pearl-divers of the Indies fearlessly plunge even into the troubled waters, and the most precious shells are often brought up from the lowest depths. My DEAR SIR-

I beg to hand you the inclosed for your perusal, and if you think fit, for publication in the New Genesce Farmer; if you approve and publish it, I will follow it up, if not I shall not be in the least disappointed. The reason I write is that although Liebig's work is pretty generally distributed, yet, in order to get our farmers to understand something of the subject, it is necessary to keep the subject continually before them; and I also think that the more the subject of agriculture, or farming let us call it if you please, is elevated by being yoked to science, the more the practician will feel his mind and his pursuit elevated, and the more ability and dependence on his own judgment and powers will result. In other words, the more mind is used in the pursuit, the more will it be raised in general estimation, the more inviting will it become to the general population of the United States, who, if it be a fault, certainly possess that of too often abandoning the mechanical for the mental industry, to the great depression of agricultural industry, and the too great elevation of speculative or inventive conceits. Yours, J. E. T.

Boston, Fibruary 15, 1812.

On Scientific Agriculture .= Letter 1st.

I beg to congratulate you on your assumption of the editorial chair of a publication whose object is to support and promote the most important and prominent interest of this great country, AGRICULTURE; and while I congratulate you, I feel that I may with equal justice, congratulate the agricultural community on the assumption of this important office by one who. sensibly alive to all the mechanical and practical parts of this great science, yet does not lose sight of that mental part of it which is beginning to be developed by the writings and studies of men of the most cultivated intellect of the present day.

It will be readily imagined that I refer chiefly to those scientific principles of agriculture, the discovery of some of which, and the stability imparted to others which had been already broached, will forever reflect honor on the name of Liebig.

These principles are not only receiving daily confirmation by the labors of science in every civilized country, but are also being considerably extended; and as utility is the foundation of all the recent researches on this subject, it is almost certain that the results of many of them must be of incalculable advantage to the farmer.

In an admirable discourse lately delivered before the School of Medicine at Paris, Mr. Dumas has discuskingdom: with the assistance of this and many of the principles developed by Liebig, I propose to address a few letters to the farmers of the United States, chiefly with the view of enabling them to understand not only these new views, but to follow and judge for themselves of the application of many future principles which are certain to be hereafter developed, perhaps in rapid succession, from the immense labor now bestowed on the subject.

It is a task, however, which I approach with much doubt, not, perhaps, so much from want of understanding as from a want of power to explain with sufficient simplicity and clearness, a scientific object to unscientific minds. Should I succeed in enlightening a few, my pleasure will be great; should I fail, it is only in an object where thousands have failed before me.

The subject proposed is a brief account of vegetation, its wants, and the means of supplying those wants.

There are a few names in science which require a simple and popular explanation, as these names represent substances of which vegetables are composed and on which they are nourished. The first is CARBONa solid substance of which the solid parts of vegetables are chiefly composed. When this carbon is combined with a gas called oxygen, it also takes the form of a gas, which is called Carbonic acid gas. All the carbon of which a plant is composed is taken up by the plant in the form of this Carbonic acid gas; the plant by its action, separates the oxygen from it, and retains the solid earbon; these additions of carbon constitute the growth of the plant,-hence the necessity of a sufficient supply of Carbonic acid gas, which is not only dispersed through the atmosphere in great plenty by the respiration of man and animals, but is also formed, according to Liebig, during the decomposition of hunus or geine.

The next is Azote or Nitrogen-a gas forming part of a substance called ammonia, or rather of a salt of ammonium, as well as also, of salts called nitrates; this is chiefly used by vegetables in the very early formation of all their solid parts before the complete deposition of carbon from the carbonic acid.

Then Hydrogen-a gas which, combined with oxygen, forms water; from the decomposition of water the vegetable obtains its hydrogen gas, which is used by it in the composition of the fat and volatile oils and resins which abound in many plants and seeds, and in the bright waxy varnish with which many leaves are covered.

Oxygen, also a gas-this and hydrogen gas mixed form water, this and carbon mixed form carbonic acid gas. Oxygen gas is absolutely necessary for the respiration of man and animals; they consume it hourly in large quantities-plants supply it to the air by separating it from carbonic acid when they want the carbon, and from water when they want the hydrogen of water. Besides these substances, the aslies of plants when burned, contain potash, soda, lime, silex, &c., these are taken up by the roots as watery solutions, and after due evaporation of the water through the pores of the leaves, are left in the plants.

Some plants require soda, others potash, others lime, and others silex; some require one, two or three of these substances in order to flourish luxuriantly.

We have then, to deal with a vegetable organized out of Carbon, Azote, Hydrogen, Oxygen, and the watery solutions of soda, lime, potash and silex, and from these few substances combined in different proportions among themselves, all the various pieces, gums, stems, leaves, seeds, &c., of plants are formed.

It will be, therefore, of use to consider these substances separately, and to explain the mode of operation of each in the vegetable system, beginning with

CARBON .- It has been stated that the carbon required by plants, is obtained entirely by the decompoplant itself-that this carbonic acid is derived chiefly from the atmosphere is considered to be proved by many experiments, particularly by one of Boussingault, who sowed pease in pure sand and watered them with distilled water; in neither of these could there exist earbonic acid, yet they attained perfect developement both of flower and fruit. He also inclosed vine leaves in a globe of glass, and then directed a stream of air upon them, from which they abstracted all the carbonic acid. In both these cases the carbon used by the vegetable was taken from the atmosphere. It is, besides, considered impossible that the earth surrounding a large oak tree, for example, should ever bave contained a ten thousandth part of the carbon contained in the tree, so that the chief part of it must have been derived from the atmosphere.

When this carbonic acid is exposed to light in the leaves, it parts with its oxygen, the carbon remains behind in the solid shape of wood, vegetable fibre, cells, and various other forms, requiring for this purpose simple admixture with water. If twelve parts, called molecules,* of carbonie acid are decomposed and lose their oxygen, they are combined with ten parts or molecules of water, and of this mixture is formed cellular and woody tissue, starch, and dextrine.

These substances are then of the same constituents. only they possess a different arrangement of their mole-

Woody fibre, as well known, is insoluble;

Starch coagulates by heat;

Dextrine is soluble in water:

And yet these substances are produced by the same elements, combined in the same proportions, only differing in the arrangement of their molecules. The use of woody fibre is well known; starch is accumulated around buds and the embryos in seeds for their early nourishment; and dextrine is a watery solution conveyed by the sap to all parts of plants for its use.

How admirable the simplicity of nature, which out of the same substance can form three different ones, which can be converted into each other with the slightest expense of force, in changing the arrangement of their molecules.

It is also by means of carbon and water that the sugary or saccharine juices of plants are formed; twelve molecules of carbon and eleven of water, constitute the sugar of the cane which chrystalises; twelve molecules of carbon and fifteen of water, constitute the sugar of the grape which will not chrys-

These woody, amylaceous,(starch) gummy, (dextrine) and saccharine (sugar) matters which carbon, in its nascent state, can produce by uniting with water, play so important a part in the life of plants that, when rightly considered, it is not difficult to estimate the value of truly understanding the decomposition by plants of carbonic acid, which, as is justly observed, is furnished in various ways by nature in such abundance as not to require the care of the cultivator.

Man, and all animals, consume a large quantity of carbon by slow combustion. The products of the combustion of carbon, whether quick, as when charcoal or anthracite coal, which are only other forms of carbon, are burnt, or slow as when consumed by man and animals, are heat and carbonic acid: the heat produced by the combustion of charcoal or coal, is well known; that produced by the combustion of earbon in the animal frame, is the heat of the body. Man and animals respire and breathe out, therefore, constantly a large quantity of carbonic acid, being the product of their slow combustion of earbon, this carbonic acid is taken up by plants, the carbon of it forming their growth and a portion of their organized parts, the

*A molecule may be explained as the smallest atom into ection of Medicine at Paris, Mr. Dumas has discus- quired by plants, is obtained entirely by the decompo-bed with singular ability, the science of the vegetable sition of carbonic acid, effected by the powers of the real reality consider as being of certain definite forms. other ingredient of it, oxygen, they give out and it is inspired by man and animals, serving as the means of keeping up the constant combustion of carbon within their frames-for without oxygen no fire can be maintained, no heat produced. It is impossible for any man of well regulated mind not to have his attention drawn off from the subject at this point to admire, nay, to adore the perfect simplicity and beauty of this arrangement, by which the vegetable existences appropriate to themselves by decomposing carbonic seid, the carbon necessary for their growth, and throw off that part which is absolutely requisite for the animal existences; while these latter consuming by slow combustion the carbon furnished to them by the plants on which they teed and subsist, breathe out or expire the very substance, carbonic acid, which plants again assimilate and from which are thus reproduced their beautiful and useful forms. The farmer, the man of science, the theologian, must become deeply interested in the study of such facts as these, and if there is anything that can throw light upon that much discussed subject, the creation of this fair and beautiful world, it will doubtless be the better understanding of the pure language of nature-which no translation can obscure, no superstition veil, but which, when purified by the efforts of science, will become clear and intelligible to all nations and languages on earth, and probably produce that deep seated and inestable feeling of reverence and gratitude towards the great Creator, which must shew itself in copying, though at an unmeasurable distance, his benevolence and love.

From Colman's Fourth Report. BROOM CORN (Sorghum Saecharatum.)

Is an important crop in the county of Franklin. Its cultivation is chiefly confined to the meadows on the Deerfield and Connecticut rivers, though there have been instances of large crops in the interior. Deerfield, Whately and Sunderland in particular grow large amounts of it; and it is said that the prosperity of the last named town is main-

ly attributable to this product.

The average yiell under good cultivation is from six hundred to eight hundred pounds of brush or broom. One thousand pounds are not infrequently reached. Six to eight hundred pounds are reported as the average yield in Sunderland and What ley. A crop of seed is obtained about once in four years, and forty bushels of seed are considered a good yield. A respectable farmer in the county informs me that in one instance, he obtained one hundred and fifty bushels of seed to the acre. It is planted in hills at a distance of eighteen inches between the hills lengthwise; and in rows about two and a half feet apart, or at a distance wide enough to pass the plough or the cultivator. By some farmers, broom corn is planted in hills two and a half feet distant each way, and fifteen stalks are left in a hill. It requires manuring; and it is sometimes manured as Indian corn in the hill, or the manure is spread. The cultivation is more expensive than that of Indian corn. No crop is more beautiful than the standing corn, when in perfection; and it frequently reaches a height of twelve to fifteen feet.

The stalks of the plant are long and hard, and therefore difficult to load on a cart. They are generally considered as of no value excepting for manure. This, however, is an error. The Shakers at Canterbury, N. H., among the very best farmers in the country, are as careful to save their broom corn stalks, as their Inlian corn stalks, for fod ler; and, for the feeding of their young stock, deem them equally valuable.

The usual mode of gathering is to table the corn, that is to cut off the top, or tassel the broom as it is called, about two or three feet from the top, and bending the stalks of two rows together, lay it down and leave it until it is seasoned and fit to be gathered. The brush is then cut, tied in small bundles and carried in. The remainder of the stalks are burnt in the field the ensuing spring, and some little advantage is supposed to be derived from the ashes. Some farmers prefer, after gathering the brush, to cut the stalks and lay them lengthwise in the rows, and plough them immediately are the stalks are the way.

by the ensuing spring. A still better mode is to carry them into the cattle and sheep yards, where they become incorporated with the manner and make a valuable addition to the compost heap. I am satesfied from the experiment of the Shakers, that if properly cured, they might be well applied to the feeding of young stock. It is deemed necessary by the raisers of broom corn, to connect with it the feeding and futtening of cattle, that the necessary manure may be procured for the cultivation of this crop.

tion of this crop.

It is considered a profitable crop when the brush will command five cents per pound. The price has been subject to great the tradions. Formerly, it was common for each farmer to make his brush into brooms, and sell them when and where he could. This was bad for all parties. It brought too many competitors into the market, and offer anduly depressed the price. The buyers likewise were often obliged to put up with an inferior article. The growing of the brush and the manufacture of the brooms are now in different hands. The farmer, as seen as his broom is ready for the market, finds in the manufacturer a purchaser at a steady price; and the manufacturer knows that his reputation, and consequently his success likewise, is ceneerned in the quality of the article, which he furnishes.

The Shakers for a long time almost monopolized the raising of the corn and the manufacture of brooms, which like other manufactures of this industrious community, were always of a superior quality and generally commanded a high price, usually thirty-seven and a half cents a piece or Now, corn brooms are frequently sold from eight to twenty-five cents; but many of them are like Pindar's rozors, "made to sell." The handles in an unfinished state, made either of maple or ash, are furnished for a cent a-piece. The wiring and tying on are usually done by the hundred. The scraping the seed from the brush is an unpleasant business, and the dust is prejudicial to the eyes. A common flax comb is generally employed; but an improved machine, moved by horse-power is coming into use, performs the work quickly, and greatly lessens the labor. The manufacture, when carried on extensively and with ample capital, has yielded encouraging profits.

The seed is sold at two thirds the price of oats, and is ordinarily of the same weight. It sometimes weighs more than oats, and by some persons is more highly valued. It is hy many esteemed good feed for the fattening of swine, when mixed with other grain. Some have used it for fattening cattle and horses, but it is not approved. The saving of the seed of broom corn is, by the best farmers, deemed a matter of much importance. It must be taken from that which produces a full and square head; and not from that which runs up in a spindling form, and "branches like a pine tree." The difference in the seed is deemed of so much consequence, that while ordinary seed for planting can be obtained at one dollar and fifty cents per bushel, the best always commands four dollars. In no single thing do farmers commit a greater error than in respect to seed. Inferior seed of any kind of plant should never be used; and the difference in the expense between good and poor seed, is nothing compared with the increased value of the erop from good seed.

It is a fact, which certainly deserves mention, that broom eorn is taken three, four, and sometimes ten years in succession from the same field without diminution of the crop. I have the testimony of three respectable farmers to this point. Yet this can only be done by high manuring. By many farmers it is deemed an exhausting crop. The brooms made from the brush, cut and dried while green, are tougher and much more durable than those made from the brush when suffered to become quite dry and yellow: The returns of a crop of broom corn in Gill are as follows: the land cultivated was one acre seven rods. The crop of brush was nine hundred and thirteen pounds. Of seed, there were one hundred and thirteen bushels; eighty bushels of which, sold for twenty-five cents per bushel. This was at the rate of eight hundred and seventy-five pounds of brush to

I subjoin also, the exact account of a crop cultivated by Alvah Hawkes, in Deerfield meadows, with which he was kind enough to favor me.

	-	_
Ten loads of manure at 75 cents per load, Putting manure in the hills,	7 2	50 00
Planting, one day's work, \$1 00; seed, 4 quarts at 75 cents per bushel,		
Hoeing first time 31 days, \$3 50; hoeing 2d time, 3 days, \$3 00,		
Horing 3d time, \$2 50; horse and boy to plough for the seuson, \$1 00,		
Tabling and cutting 4 days \$4 00,	4	00
Gathering, carting, and packing away,	_	
S:	28	69

The expense of cultivating one acre is as above \$23.69, the labor being rated at \$1.00 per day, which is more than the actual cost. The yield was at the rate of 991 lbs. to the acre. If the ground had been fully stocked, the crop would have been more than 1000 lbs. per acre. The brush was sold at \$4 cents per lb. The crop of seed was light and poor; at the rate of 50 bushels to 3 acres; and was sold at 165 cents per bushel or \$2.77 per acre.

To the above expenses of \$28 69 are to be added as follows:

ded as follows: Scraping 1000 lbs. \$3-30; board of man 5		
days \$1 07,	4 16	37
Rent of land, 1 acre,	-10	
	\$49	06
The sales of the above brush, 1000 lbs. at 83 ets. per pound,	85	00
Seed upon above acre,		77
	\$87	
Net profit per acre,		

Net profit per acre,

This product may be deemed unusual; but there is no difficulty under suitable cultivation in obtaining it. The price is not extraordinary; and had the brush in this case, been kept until spring, it would have brought 12½ cents per 1b.

No charge is here made for the rent of the land.

The Tomato.

The celebrity of this plant has become astonishing. A few years since, prejudice reviled at its excellences with its most vindictive tauntings. Now, it is an article of so general popularity, scarcely a garden, or an apology for one, is to be found where it is not cultivated, and almost every voice is loud in proclaiming its excellences. The tomato has three kinds or varieties, to wit: the large common, the egg, and the golden drop. We prefer the two last kinds for culture, as they are firmer, or more solid in their texture and more delicate in their flavor. The tomato should be started in a hot-bed, or in boxes in the house in March.-Then, by care, large thrifty plants will be ready for putting out as soon as the season of frost is passed. They do not require a rich soil, this causes them to run too much to vine, but rather an excitement to push forward to perfection. We know of no more sure effective to produce this, than to put say half or a third of a common shovel full of hen or pigeons' dung in the hill. It is admirably calculated for pepper or for tomatoes.

After the early frost had killed the vines last fall, a friend of ours, of close observation and exact calculation, experimented feeding the tomatoes that remained to her cow. They were readily cater, and the quantity of milk was increased. This certainly adds another to the thousand and one uses to which they have been arrifed.

W. B.

HOME INDUSTRY.

a late meeting of the friends of Home industry in own to take care of the interests of other people. Our Rochester. Having been instructed to report them, powers are at best small, and our sphere of action limthey at least embody our own sentiments; and we itted. Every man acts most efficiently in operating see no resson to retract or alter them. We have at Jesst no partizan views in the case.

In the present condition of society, it is idle to think of reaching the perfection of any thing. We shall be fortunate if in any case, we can reach the best possible. In respect to many things, right and wrong are intrinsic, absolute, unchangeable, and admit of no qualification; but in many cases duty grows out of circumstances; and that which would be unquestionably right and best in some cases, in a change of condition ceases to be obligatory or expedient. The doctrines of the tree trade party, the peace party, the non-resistants, the no-government party, when jus tice is done to their principles and motives, breathe the highest philanthropy; but they seem utterly impracticable in the present state of society We admire the generous sims of noble minds devoted to these great objects; but the loftiness of their purposes destroys the efficiency of their labors. The man who walks through the thronged streets of a city with his head turned and immoveably fixed upon the stars, will be likely to strike against a post, to tumble into a gutter, or to ran down many a passenger. Or if he undertakes to leap a ditch, which is too wide to be spanned by any human agility, it is not difficult to say where he will fall. Wheever would get along in the safest and best way for himself and others in the street must keen his elbows in, give as well as take, remember other men's rights, take care of his own; and while fixed in his determination to show no discourtesy, unkindness, or injustice towards those whom he meets, or who are travelling the some way as himself, and at the same time to preserve his own personal safety and progress, be must in some messure regulate hismovements by the movements or dispositions of those about him. If he insists upon more of the side-walk than belongs to him he deserves to be jostled off. If he chooses to yield in every case, there will be enough who, without compunction, will throw him into the gutter. If he chooses to step aside and remain until the crowd have passed, this disinterestedness will be fatal to all progress: and as wise as the determination of the traveller who aat down on the river's bank to wait until the waters should all flow by before he crossed.

We often admire the man, who yields his rights to others rather than maintain them against violence or oppression. This many times springs from a benevolence of the highest character, but often as mistaken as it is disinterested. If any man stood alone in this world, if his condition were not ultimately inseperably linked in with the condition of others, and to what extent no human imagination can determine, he might at pleasure make any personal ascrifices and vield any rights. But the condition of no human being living is thus insulated, and no man can yield any of his own rights without jeoparding the rights of others, or establishing a precedent for an encroachment upon theirs. The doctrine of expediency, not in a low and contracted sense, but in the most clevated and comprehensive view, is the foundation of all right, because it is conformable to the will of God, which aims at the hoppiness of all men.

It would be charming indeed to see all men brought entirely under the dominion of universal love, in which every other man's happiness should be as dear to us as our own. This spirit of universal love and justice spirit will have no other object than the production of domestic economy and true national economy; and late to bring him on the turf

the greatest amount of happiness and good. But how Agreeably to promise, we subjoin the resolutions at is this to be effected-certainly not by neglecting our upon what is nearest to himself. Would a man then do most good, he must do what he can to mend himaclf, then to make his family happy, to provide for their welfare and happiness, and then his town and then his own country. Certainly he must violate no law of justice or kindness in doing this; he is not to seek to rise upon the oppression or injury of others; but within these rules, he must labor and can labor with success only in this direct manner. If every man should neglect his own family to take care of his neighbor's, neither would be so efficiently or so well served as if each performed his duty to his own. In the present condition of human nature, therefore, the only principle upon which individuals or families, or larger communities, can properly act is not a mean and morose selfishness, which always leads to fraud and injustice; but an enlightened self-interest, which seeks continually to rectify wrong, to do good, to make good better and better hest within its own immediate sphere. Here its powers will be most efficiently applied; here the effects of its exertions can be hest watched over and controlled; and here consequently, it is bound first of all and constantly to exert itself.

Political Economy, though like every other science, very much mystified by men, who either went to make a perede of learning or else having no clear ideas on any subject, stir up the mud from the bottom when they get even into the clearest water, or otherwise, who want to controvert the plainest and most established principles, and instead of conforming to nature are vain enough to think they can make her conform to their notions, is as simple as domestic economy, and rests upon precisely the same principles. The best ordered and the most prosperous family is that, which seeks as far as it can without the most obvious disadvantage, to supply its own wants from its own resources within itself. If it demands the aid of others it will first be sure of the means of paying for that aid, and especially be equally certain that others will be willing to receive their pay in the products of its own industry. It will in no case encumber itself with debt, unless it be that wholesome credit for the sake of productive improvements or investments, where the provision for the extinction of the debt is sure as any thing human can be, and made when that credit is assumed. It will seek first of all to give employment to every member of its own household in the various forms to which their capacities, dispositions, or habits are best adapted, because the interest of each one is the interest of all, the duties and obligations are reciprocal and thus the productive power of all is most certainly and successfully availed of. Above all, it will spend nothing for superfluities until necessaries are provided, nothing for elegancies until comforts are obtained. Then there can be no objection to the innocent luxuries and elegancies of life, where there are the means of paying for them from the aurplua profits not needed or required for the equal comfort and benefit of all the members of the household. This is sometimes stigmatised as a Robinson Crusoe and selfish system. We only add that in its moral tendencies upon character, improvement and domestic happiness, it has proved itself over and over again in the highest degree salutary. Certainly it cannot be pronounced either selfish or inhuman, if we open wide the doors of the household and offer an equal share in all the domestic benefits, to every man, who should actuate us; but how this spirit or principle is willing to throw in his lot among us; and give for will best exert itself in any particular coso must de- the common benefit, all the advantages of his talents, pend upon the circumstances of that case. This service, education, knowledge and skill. This is true

thus every encouragement should be given to home industry. Without regard to any other people or country, we are bound first of all to provide for ourselves. In seeking to make our own country as industrious, as prosperous, and as independent as we can, we best serve the public good and the good of all; and on the highest principles of christianity nothing more can be demanded of us than that noble principle incorporated into our constitution, which offers our country as a free asylum for the unfortunate and oppressed and downtrodden of every land; and admita them to a full participation of all our civil and social benefits, upon the reasonable conditions of good conduct and a due subordination to the laws and institutions of the country.

The committee reported the following resolutions: 1. Resolved, That labor is the creator of wealth and

the conservator of morals. 2. That Government, established for the general welfare, is bound to protect and encourage the wholesome industry of its people in all its forms.

3. That the true independence of an individual, a family, or a nation, consists in its ability to aupply ità own wants from within itself, in the exertion ability, and above all, in keeping clear from debt.

4. That the interests of the whole people are one and indivisible. The eye cannot say unto the hand, I have no need of you, nor the head to the feet, I have no need of you. The poor are dependent on the rich; the rich equally dependent on the poor; the Inborer on the employer, the employer equally upon the laborer : and the interests of the agricultural, the mechanical, and the commercial classes-of him whose capital is money, and of him whose capital is skill, and of him whose capital is knowledge, and of him whose

capital is labor—are the same and indesoluble.

5. That on every principle of public good as well as of equity, government is bound to cultivate and strengthen the ties of mutual dependence among its people, so that the products of the skill of the one may be exchanged for the products of the labor of the other; that where such a mintual intercourse is secured against the disturbance of foreign influences, prices and values will adjust themselves to a fixed and equi table standard, and 'live and let live' will be the universal rule.

6. That to admit to an equal competition with our own, the products of foreign labor, must tend to reduce our laborers to the condition of those unfortunate foreign operatives, whose oppression and degradation compel them to toil, not for the comforts of life, but for a mean and bare subsistence.

7. That a home market ought on every account to be encouraged, as most important to our agriculture, and to all our productive classes.

8. That every article which we can produce ourselves, should either be absolutely prohibited from abroad, or admitted under such restrictions as to discourage its introduction, and to encourage its production at home.

That the tendency of a discriminating tariff, founded upon this plain principle, is not in the end to increase prices, but to equalize and reduce them; and even if its tendency were otherwise for a time or to a degree, the man who lives upon his money has little right to complain, since it is only reasonable that his money should be expended for the benefit of those by whose labor it has been earned, and by whose power it is protected.

10. That a trade with a foreign country to be free,

ahould be on terms of perfect reciprocity.

II. That the restrictions upon our trade which are imposed by any foreign nation in refusing to receive the products of our industry in a fair and equitable exchange for the products of her industry, can be properly met only by an absolute refusal to receive her products at all, or by such countervailing and corresponding restrictions on our part as shall serve to equalize the traffic.

12. That holding the above principles as evident and undeniable, we respectfully transmit them to our Representatives in Congress, with a request that they would so dispose of them in reference to any measures that may be taken on the tariff of duties the present aeasion, as shall beat serve the views and wishes of this meeting of the citizens of Rochester as thus expressed.

D' Our partial deficiency in plates this month will be compensated in our next number. Mr. Sherwood's bull did not show his horns until too

NITRATE OF SOUA.

We are much obliged to our good friend for the subjoined communication. We are glad of the information which it farnishes on a subject which must ultimately be of great importance to wheat growers, We shall presently follow it up with more full information on the matter. He could not have made us a promise more gratifying than that he will communicate to us the earliest valuable agricultural intelligence which comes within his purview. His foreign correspondence furnishes in this respect peculiar advantages. We hope likewise to hear from him occasionslly on the subject of Horticulture. No man is more competent.

Extract from a private letter.

"Being desirous to communicate to you on the subject of Nitrate of Sada, received from London by the arrival of vesterday, I also include the subjoined statement on the subject, on the chance of your not having received it.

Tue Gardener's Chronicle of January, edited by Lindley, contains an extract from the report made to the Bath and West of England Agricultural Society, by Mr. G. Webb Hall, and of course entitled to the fullest credence. A piece of land of which the wheat crop previous to 1838 was not worth gathering, was, in 1839, 1840 and 1841, manured with a new (artificial or compounded) manure, and each of these years sowed with spring wheat; the first year the crop was 51 sacks per acre, weight 64 lbs. to the bushel; the second year 6 sacks, and 1811 nearly 7 sacks per acre, the straw each year extremely heavy and fine. The manure is cheap, averaging cost 20s. sterling per acre. Observe here particularly, no rotation, each year wheat, and each year an incressed product. The manure was not named, but the man who helped to make it says it was Carbonate of Ammonia. On this statement Mr. Lindley observes that he does not see why Sulphate of Ammonia, which would be obtained by strewing the stables with Gypsum as mentioned in the books, would not do as well. Now Mr. Lindley is no chemist, and I differ from him in opinion, for the following reasons: When a sulphate is decomposed in any other way than by the complete eaturation of the sulphuric acid by another base, fumes of sulphuric acid or sulphurous acid gas are probably created, than which gas there is nothing more injurious to vegetation, even in the smallest quantity; this has been proved by various quite recent experiments. I have lately tried pure sulphate of ammonia on Geraniums, which were nearly killed by it; but I do not offer this as conclusive against the sulphate formed by gypsum,-this is an experiment I should like to see tried by farmers on a large scale, and I have no doubt several are new trying it. With carbonate of ammonia both the carbonic acid gas and the ammonia, are highly useful to vegetation.

Now for the Nitrate of Soda. London, 15th February, 1842. The sale of Natrate of Soda for agricultural purposes, is pretty brisk; the price is 24s. sterling to 24s. 6d. per 112 lbs., about 2000, say two thousand bags were sold for this purpose during the month of January, 1842. The stock of this article in London and Liverpool at the end of each year, 1840 and '41, averages from 21 a 25,000 bags, a pretty clear proof that the demand for it is pretty steady, and the value of it as an agricultural manure ascertained. Saltpetre, which is used for more, and vastly more villainous purposes than for manuring the land, sells at from 26s. 6d. to 28s. 6d. per 112 lbs.

Boston, 12th March, 1842. For the New Genesee Farmer.

Gypsum -- Information Wanted. Liebig considers urine as the richest of all excrementitious manures.

" Human urine is the most powerful :- that of

but infinitely more than the solid excrements of these animals." * When it is considered that with every nound of ammonia which evaporates, a loss of 60 pounds of corn is sustained; and that with every pound of urine, a pound of wheat might be produced, the indifference with which these liquid excrements are regarded, is quite incomprehensible." †

"In dung reservoi s well constructed and protected from evaporation, [the ammonia] is retained in the state of solution; and when the putrefied urine is spread over the land, a part of the ammenia will escape with the water which evaporates; but another portion will be absorbed by the soil, if it contains either alumina or iren; but in general only the muriate, phosphate, and lactate of ammonia remain in the ground .- The loss suffered [by the escape of earbonate of ammonia] is nearly equal to one half of the weight of the urine employed, so that if we fix it [one half will be saved.];"

To fix it, he proposes to strew gypsum over the field, and then the putrefied urine or drainings of dung hills, so that all the carbonate of ammonia may be changed into sulphate of ammonia which cannot fly away, but will remain in the soil.

He adds however, "there are still simpler means of effecting this purpose :- Gypsum, Chloride of lime, sulphuric or muriatic acid, and super phosphate of lime, are all aubstances of very low price, and completely neutralize the urine, converting its ammonia into salts that possess no volatility." 6

But I have not found any further directions in regard to the application of these substances. He informs us indeed, that IOO pounds of burned gypsum would fix as much ammonia in the soil as 6,250 pounds of horse's urine would yield to it; or that I pound of gypsum would fix the ammonis in 621 pounds of urine. But 621 pounds of water (1000 ounces) would only dissolve 21 ounces of gypsum, at the rate of 400 parts of water to I of gypsum; and therefore we want a barrel of water in addition to dissolve gypsum enough to fix the ammonis in 622 pounds of urine. In other words: the urine would not dissolve one sixth of the gypsum necessary to fix the ammonia.

How then can gypsum strewed in stables (according to Lisbig's directions) which must be dissolved, to save all the ammonia that forms there?

My object in making this question is to acquire information. I have tried to understand the subject, but may have much yetto learn; and if I am wrong, I should feel grateful for being set right. I want some cheap reservoir or method, to save urine from waste; but if I must add a barrel of water to every six gallons of urine, it must be a troublesome concern, and I should prefer mart, or old lime, or even pulverized charcoal. I have no fancy for distributing liquid manures.

AN ENQUIRER.

Editorial Remarks .-- Liquid Manure and Urinaries.

We are not certain that we quite understand the difficulties of our respected corre pondent, as we do not understand that the gypsum must be dissolved in water in order to absorb the urine, and so fix the ammonia either in the stables, or when spread upon the ground. Of course it is supposed to be finely powdered.

Our friend knows as well as we do, that in Flanders the urine vsults are made under their stables and cemented so as to be water tight. Here it is mixed with rape dust, and carried out in tanks, often upon the shoulders of the women, and sprinkled upon the growing crops; a process, which cannot be consider ed as at all superior to the best can de Cologne io im-'Organic Chemistry, 1st Amer. Edit. p. 138.

horses and horned cattle contains less [ammonia,] proving their personal attractions. Detestable indeed must be such practices. But better methods have been adopted, where, as I have acen, troughs or channels have been laid behind the cattle stalle; and all the urine conducted to a covered cistern or receptacle, from whence it was pumped out at intervals into a machine drawn by one or more horses, like what is used for watering the streets of Cities, and distributed over the fields. The beneficial effects in such cases have amply compensated the expences. When designed however to be so distributed, strainers must be enrefully affixed to the conduits, or otherwise the machine will not distribute it. It will bear also being diluted to some extent in the cistern with advantage.

We have likewise known a cow stall with a vault extending the whole length of it, four feet wide, and three feet deep, carefully stoned and cemented so as to be water tight. The cews were tied in the stalls every night in the year. The vault was emptied two or three times a year, being as often filled with muck or loam, which became thoroughly saturated with the urine admitted through holes in the floer. The boards of the floor were easily removed and replaced, and a large amount of most valuable manure was made in this way. This is a very homely subject, ws know; and the fastidious we hope will not look at it; but there is none which more essentially concerns a farmer's interest, and scarcely less, the cleanliness and health of his premises.

Holderness Cattle and Hollow Hend.

To S. St. John, who inquires about the Holderness breed of cattle, we answer that they came originally from Holland into the counties of Durham and York, in England. They were coarse and thin animals, but yielded most abundantly in milk; the milk bowever, of an inferior quality; the distinguished breeders of the Teeswater cattle crossed their best stock with the Holderness, and from this cross with some variations. have sprung the Yerkshire cows, which are the most celebrated in the London Dairies or milk establishments. These Yorkshire cows are, properly speaking, Improved Durhams, and therefore, many of the Improved Durhams may be regarded as abounding in the Holderness blood, the cross of the Teeswater having improved their shape, lessoned in some degree their yield of milk, and given them a tendency to fatten.

The weight of the hull at three years old, which he describes at 21 to 2200 lbs , is an evidence in favor rather than against his being an Improved Durham. When he asks us to give him the marks, which show the Hellow Head, we can only say that we know nothing of this deficiency in brute animale; but poor soul! have ourselves labored under the complaint all our lives; and, if he wishes to know more about it, he must surely apply to a full head for an explana-

Mildew upon Gooseberries.

Advice from one competent to give it -- "Say to the growers of gooseberries, if they wish to keep off mildew, train your bushes so as to admit a free circulation of air through them; manure about the roots; and torget not to sprinkle them with soap-suds on washing days, three or four weeks in succession before blossoming; and they cannot miss having fine. fair, large herries. I know this by several years' experience. Let them try and see."

MUNIFICENT DONATION .- Give while you live ; thus secure the purposes of your charity and gath. er the first sheaves of the Harvest.

John Conant of Jaffrey, N. H., a spirited and intelligent farmer, has given his valuable farm of 230 acres with all its appurtenances, to the Cheshire County Agricultural Society for the establishment of an Agricultural Seminary. It is not many miles from Keene. It is a noble benefaction, and reflects upon him the highest honor.

INTERESTING REPORT OF THE COM-MISSIONER OF PATENTS.

Indian Corn for Oil .- Sugar from Corn Stalks .-Lard for Oil .- Silk ,- Statistical Table .- Agricultural Patents.

The Commissioner has favored us with this important document. Mr. Ellsworth is entitled to the highest credit for his industry and zeal, especially in every thing connected with agricultural improvement. The report discloses enough to encourage the friends of an improved and extended husbandry, if even they may calculate upon a tithe of what is promised. Immense, however, as the agricultural produce of the country is destined to become, we fear that the picture is too highly coloured, and expectations held out which, in our humble opinion, may not be immediately realized. We acknowledge ourselves a little more than surprised at some of the statements.

We quote the following from the letter of the Commissioner :

"The value of the agricultural products almost exceeds belief. If the application of the sciences be yet further made to husbandry, what vest improvements may be anticipated! To allude to but a single branch of this subject. Agricultural chemistry is at length a popular and useful study. Instead of groping along with experiments, to prove what crops lands will bear to best advantage, an immediate and direct analysis of the soil shows at once its adaptation for a particular manure or erop. Some late attempts to improve soils have entirely failed, because the very article, transported at considerable expense to enrich them, was already there in too great abundance. By the old of chemistry, the West will soon find one of their By the aid greatest articles of export to be oil, both for burning and for the manufactures So successful have been late experiments, that pork (if the lean part is excepted) is converted into stearine for candles, a substitute for spermaceti, as well as into the oil before mentioned. The process is simple and cheap, and the oil is equal to any in use.

Late improvements, also, have enabled emperimenters to obtain sufficient oil from corn meal to make this profitable, especially when the residuum is distilled, or, what is far more desirable, fed out to stock. The mode is by fermentation, and the oil which rises to the top is skimmed off, and ready for burning without further process of man-The quantity obtained is 10 gallons in ufacture. 100 bushels of meal. Corn may be estimated as worth 15 cents per bushel for the oil alone, where oil is worth \$1 50 per gallon. The extent of the present manufacture of this corn oil may be conjectured from the desire of a single company to obtain the privilege of supplying the light-houses on the upper lakes with this article. If from meal and pork the country can thus be supplied with oil for burning and for machinery and manufactures, chemistry is indeed already applied most beneficially to aid husbandry.

A new mode of raising corn trebles the saccharine quality of the stalk, and, with attention, it is confidently expected that 1000 pounds of sugar per acre may be obtained. Complete success has attended the experiments on this subject in Delaware, and leave no room to doubt the fact that, if the stalk is permitted to mature without suffering, the car to form, the saccharine matter (three times as great as in beets, and equal to cane) will amply repay the cost of manufacture into sugar. plan has heretofore been suggested by German chemists, but the process has not been successfully introduced into the United States, until Mr. Webb's experiments at Wilmington, the last season. With him the whole was doubtless original, and certainly highly meritorious; and, though he may not be able to obtain a patent, as the first original inventor, it is hoped his services may be secured to perfect his discoveries. It may be foreign to descend to further particulars in an annual report. A minute account of these experiments can be furnished, if desired. Specimens of the oil, candles, and sugar, are deposited in the National Gallery.

May I be permitted to remark that the formation of a National Agricultural Society has enkindled bright anticipations of improvement. The propitious time seems to have come for agriculture,

that long neglected branch of industry, to present her claims. A munificent bequest is placed at the disposal of Congress, and a share of this, with private patronage, would enable this association to undertake, and, it is confidently believed, accomplish much good.

INDIAN CORN MEAL FOR OIL.

It is added in the report, "that it is said that the meal, after the oil has been extracted, will make harder and better pork when fed out to swine than before. The oil is of a good quality and burns well." These are certainly extraordinary facts and we shall wait with some impatience for their verification. We should be glad to know whether the meal remaining after the oil has been extracted, is of sufficient value to pay the cost of extracting the oil; and whether, after passing through this process, it can be kept any length of time. That the corn after going through this process will make harder pork, is not improbable; but that it will make better park is likely to depend, it may be, somewhat upon our preference for lean or fat pork. It is difficult to settle questions of animal nutrition, unless in such cases as that of Dr. Beaumont, where the patient has an open window into his stomach; but, it is generally supposed, that the oily part of the food was that which went principally to form the fat of animals. That Indian Corn should field the farmers fifteen cents a bushel, unless the residuum is of equal value with the oil extracted, is, however, not a great encouragement to its production even on the rich prairies and alluvious of the West. Their average crop, unless with extraordinary cultivation, in Illinois, for example, is not more than forty bushels per acre; but put it at sixty, the product would be only nine dollars. Now deduct the ploughing, which is not less than two dollars; the planting not less than a dollar; the cultivation, even with a horse harrow only, not less than one dollar more; the harvesting, which must be two dollars; the husking and cribbing, which must be three dollars more; and the cost of the land and fencing, and other expenses of management, there will not be a very large profit remaining, unless we can pay for our labor at fifteen cents, or a bushel of corn per day. We say nothing of the grinding of the corn, which we know, at one of the principal mills in Illinois, eosts three picayunes, or eighteen and three quarter cents per bushel. But domestic mills may be introduced. We are not willing, however, to say more on this subject until we know more. Perhaps, with our imperfect information, we have already said too much.

SUGAR FROM CORN STALKS.

Another great article of product spoken of in the report, is that of Sugar from Corn Stalks. " A new mode of raising corn, trebles the saccharine quality of the stalk." This is certainly an extraordinary discovery. The stalks of corn, if gathered before the ear is formed, it is here stated, yield of saccharine matter three times as much as the beet, five times as much as the maple, and fully equal, if they do not succeed, that of the ordinary sugar cane in the United States, . One thou sand pounds of sugar, it is believed, can easily be produced from an acre of corn. It has been ascertained, by trial, that corn on being sown broad east [and so requiring but little labor, comparatively, in its cultivation,] will produce five pounds per square foot, equal to 108 tons to the acre for fodder in a green state; and it is highly probable that when subjected to the treatment necessary to prepare the stalk, as above described, in the best manner for the manufacture of sugar, a not less made to yield five hundred pounds of sugar, we

amount of crop may be produced. Should this prove to be the case, one thousand weight of sugar per acre, might be far too low on estimate. Should the manufacture of sugar from the corn stalk prove as successful as it now promises, enough might soon be produced to supply our home consumption, towards which, as has been mentioned, at least 120 millions of pounds of foreign sugars are annually imported, and a surplus might be had for exportation."

These statements may well be called startling; but we must be pardoned if we consider them, in some measure, of the multicardis variety. We have a high respect for Mr. Ellsworth; we believe there is not a better officer in the government; and that no man living would be more reluctant to make a mistatement than himself. But we want a good many more facts and experiments in the case, before we can yield entire confidence to such predictions. The whole, for aught that appears, grows out of a statement of a Mr. Webb, of Delaware, given in our November number, who obtained from a small piece of ground at the rate of 100 lbs. of sugar to an acre, and who states that further experiments showed conclusively that the produce might be increased ten-fold. Now we have no desire to question Mr. Webb's veracity; but it will be observed in the first place, that he has not yet obtained 100 lbs. to an acre, but only at that rate; and in the second place, that although experiments to him have conclusively shown that a thousand pounds may be obtained to an acre, yet we do not know what those experiments were, and the conclusion is matter of inference or private judgment. We shall be exceedingly glad to be set right on this subject.

The calculation of producing green corn fedder at the rate of 108 tons to an acre, is, we believe, more easily asserted than proved. We should like facts in this case much better than conjecture.

Tall mendow out grass has yielded, green, at the rate of 16,335 lbs. per acre, and dried, 5717 lbs. Millet has yielded, green, at the rate of 12,251 lbs. per acre, and when dried, 4747 lbs. Herds grass, when green, 40,837 lbs., and dried, 17,355 lbs., or when cut after the seed is ripe, 19,397 lbs. A crop of Herds Grass producing when cured, 17,. 355 lbs., is indeed enormous; and what very few among us have ever seen, less than five tons being the largest measured crop, which has come within our knowledge. We have never known a crop of green corn fodder weighed, when cut for fodder, but we have given in our last No. the weight of an acre of corn fodder of the gourd seed variety, when cured, including husks, and yielding 66 bushels of grain per acre, and the whole amount of that was 2 tons, 13 cwt., 13 lbs. In the case of herdsgrass, the proportion of green weight bore to the dried as 40 to 17 or as 20 to 8 tons. If we may infer any thing from this fact in regard to Indian Corn, we may reckon the green fodder from such a yield of corn as 6 to 7 tons. It would, however, be much more than this, if the corn had been sown broadcast; and perhaps may be quadrupled. Conjecture, however, is idle in a case where, we hope, we may egon have facts. It is supposed in the case of the Report, that the corn is to be sow-ed hroad east and yield at the rate of five pounds to a square foot. This is a remarkable calculation; and if corn is sowed thus thickly, how is it to be got at to pluck off the ears, which is said to be a necessary part of the process? A few months nowever, will settle this; and if an acre of corn, by the mode described or any other mode, can be

shall throw our hat up as high as any one in the crowd.

LARD FOR OIL

Another prospect held out to the farmers is, that of converting their lard into oil and candles. Lard has been used by many persons for lights, and has been adopted, it is said, in the light-houses in Canada on the Lakes.

"But it has now been discovered that oil equal to sperm can be easily extracted from land, at great advantage : and that it is superior to lard for burning, without the necessity of a copper tubed lamp. Eight pounds of lard are equal in weight to one gallon of sperm oil. The whole of this is converted into oil and stearine, an article from which candles, that are a good substitute for Spermaceti, can be made. Allowing then for the valuc of the stearine above the oil, and it may be safely calculated that when lard is six cents per pound, as it is now but four or five cents at the West, a gallon of oil can be afforded there for fifty cents; since the can'tles from the stearine will sell for from twenty-five to thirty cents per pound.' Now we are not certain, though we have read this passage several times, that we understand the elements of this calculation.

The quantity of oil obtained from eight pounds of lard is not stated, nor the quantity of stearing. But oil and stearine in sufficient quantities, as we understand the statement, can be obtained from eight pounds of lard to pay for the manufacture and to produce a gallon of oil equal to sperm oil, and of the value of 1,50 cts.; and as all this comes from eight pounds of lard, the actual cost is only the price of the lard, 48 or 50 cents. Under such a process, how long may it be calculated that oil will remain at 1,50 cts. per gallon, or spermaccti candles at 25 to 30 cents per pound? This certainly, if we understand the statement, and we are by no means certain that we do, is sufficient encouragement to make our hogs all lard if we can so contrive it; and especially, if it can be done upon corn after the oil has been extracted. (See above, page 54, column 3, line 8.)

OIL FROM CASTOR FEAN.

The Report refers in the next place to the extraction of stearine from the castor bean, which is said to have been successfully practiced at Alton in Illinois. We hope some of our friends in that region, if perchance they should see our humble sheet, will give us without delay some information on this subject.

SILK.

On the subject of Silk the Report presents, it must be admitted, some golden prospects. The fact that in one year our importation of silk goods exceeded 20,000,000 dollars, is very eften referred to in discussing the subject of silk growing; but we believe the average import for several years has tot much exceeded from seven to twelve millions. In 1839-49 it little exceeded ten millions. This is just ten millions too much. The Report calculates that "should one person in a hundred of the population of the United States produce annually 100 lbs. of silk, the quantity would be nearly 18,000,000 pounds, which at \$5 per pound [and much of it might command a higher price] would amount to rearly \$90,000,000, nearly \$30,000,000 above our

that he understoot taat fortons or green eern has heed ein. If was a single acce at three cuttings, in a season, and he had We have no disposition to impugn these statements in the smallest measure; but we should be exceedingly g ad to know when and where these crops were produced; and how and when the amount was ascertained.

whole cotton exports, nine times the value of our tobacco exports; and nearly five or six times the average value of our imports of silk." This is what we call dreaming with one's eyes open. How can sober men indulee in such calculations as these? What sort of a population have we that one in a hundred, of the three millions of slaves too, shall produce one hundred pounds of silk each annually, or at that rate; and who can suppose that if we should produce 18 million pounds of silk, that it would retain its price of five dollars per pound, or indeed one half of it? Why we should have to carpet our rooms with it and use it for dish-cloths.

But we found no difficulty in accounting for this flight of the imagination in the Report, when we came to look at the statistical tables obtained by estimate, for 1841. Here it is said that in Massachusetts there were produced in the year 1841, 198,432 lbs. of silk cocoons. Now we believe that in the whole of Massachusetts there are scarcely mulberry trees enough to feed the worms that would be required to produce half that number of eccoons. But we are not without light in the case; and there are some facts which may wake us up and bring us to our senses, if it is possible that we have relied upon the returns in these statistical tables, obtained by estimate.

'A law was passed in Massachusetts in 1836, nllowing a bounty of one dollar for every ten pounds of silk cocoons produced in that state. Under that law, the whole amount which claimed the bounty, and this included likewise, all that were reeled or thrown for four years from 1836 to 1840, both inclusive, was 11,090 lbs. 1 oz., and of reeled and thrown silk, 757 lbs. 8 oz.; and in 1841, as returned by the United States census, the whole amount of silk cocoons produced in Massachusetts that year, was 1,741 lbs, which is undoubtedly much below the truth. But for 1841-2, we have the authentic return to the Secretary's office of silk cocoons claiming the state bounty, from 10th of February, 1841, to 29th of January, 1842, amounting to 27,219 lbs. 5 oz., and 1390 lbs. 4 oz. of silk reeled, which is included in the above cocoons. This indeed is a most remarkable and encouraging increase, but 27,219 lbs. does not look much like 198,-432 lbs. We know Mr. Ellsworth would make no mistatement nor willingly be imposed upon, with all his enthusiasm for agricultural improvement; but we are sorry to see Mons. Tonson, of multicaulis memory, come again.

STATISTICAL TABLES.

The Report presents a great many statistical tables of agricultural products obtained for the year 1841, by estimate.

We would not be captions or fastidious in the case. We think statistical knowledge of immense importance. But at the same time we have little confidence in returns which rest upon estimates and not upon actual inquiry. Take again the case of Massachusetts, in the article of wheat. In the return here for 1841, the amount is put down at 189,571 bushels. Now in 1833-9, when, on account of the bounty perhaps, more wheat was sowed in Massachusetts than in any one year before, the returns to the Secretary's office amounted to 103,5701 bushels, from which 451 bushels were to be deducted for wrong returns. As the bounty was not given where less than 15 bushels were raised, there was some amount which was not returned; but it could not have been large. In 1840, as by the U.S. census, it amounted to 158,-9231 bushels. There is no reason to suppose that the production has increased. There are

many other returns which, as they do not agree with information which we deen certain, we consider as erroneous. Most certainly there is no intention to misstate; and no wilful error; but judgment and opinion, or as it is termed, estimates, are extremely uncertain in all matters of statistical information, and there can be little hope of accuracy until Congress create a bureau or department or commission for this very object; ask returns from the States, and the States on their part by a very simple legislation, co-operate with Congress in obtaining, with all practicable exactness from year to year, this most desirable information.

AGRICULTURAL PATENTS ISSUED IN 1841: Of the patents issued the last year for agricultural machinery, the following are among the articles:—

4 Bec Hives, 2 Churns, 7 Ploughs, 6 Seeding and planting machines. 13 Smut Machines for cleaning grain.

5 Corn Shellers, 2 Cultivators, 2 Hulling and Cleaning

machine for clover seed 1 Straw Cutter, rice and grains, 2 Threshing Machines. 2 Mowing and Harvest- 1 Winnowing and Faning machines, ning Machine.

2 Improvements in Scythes and Smiths.

The Report contains much other valuable mafter to which we mean to revert hereafter.

For the New Genesee Farmer,

Anti-Mouselegy.

There is perhaps no animal more pestiferous to the farmers than rats and mice. They sometimes destroy his seed when sown, prey upon his crops when growing, and when they are carefully secur-

when growing, and when they are carefully secured after many a day of tellsome labor in the barn, granary or cellar, they are sure to insinuate themselves into his repositories to feest upon and recklessly waste his substance. Even winter, with its penetrating frosts and piercing winds does not retard their movements, nor does summer with its sultry suns diminish aught from their labors. When deep snows mantle the earth, they will, unless precautionary measures are taken to check their labors, bark and destroy his young fruit and shade trees, and then, when spring comes on, with its genial suns to warm his heart into new efforts of taste and utility, it sinks coldly within him, and he often relinquishes his labors in the horrors of despair. By stamping down the snow around young trees and shrubs, the wholesale venders of mischief may be nonsuited. The best way of banishing them from mows or bins of gruin, and all similar places, we ever heard of, was scattering the branches of mentha viridis or common spear mint about in the rrows when packing away grain, or strewing it over the bins of grain, casks of apples, &c., exposed to their depredations. We have tried it, so have our neighbors, and found it W B to be effectual.

Mount Osecola, Feb. 1842.

Squash Culture.

This does not differ essentially from the culture of cucumbers and melons. Where they have too much tendency to form vines, which materially affects and diminishes the growth of the fruit, it is an excellent practice to break off the end of the vines, and hoe earth over it, thus diverting the juices of the plant from the growth of the vine to the fruit, thus increasing it size, and at the same time, preventing the stalk from running over an undue quantity of land.

We find baking the best method of cooking winter squash for our palate, especially the green Valparaiso. The process of baking requires no more labor than boiling where cooking stoves are in use, and the flavor of them is much increased, so as to resemble that of sweet potatoes.

W. B.

Mount Osceola, 1849.

Since penning the above, we have seen it stated in some exhange paper, that forty tons of green corn folder were obtained from an acre in Worcester Co. Mass, and at a flat spricultural meeting in Boston, the editor of the New England Farmer is reported in the Ploughman to have said that he understood that 190 tons of green corn had been of from a single acre at three cuttings, in a season, and he had known 37 consent on an acre at once time.



ROCHESTER, APRIL, 1842.

To Readers and Correspondents.

We must claim indulgence. We have several valuable agricultural addresses and communications from valued friends and correspondents, which we cannot more particularly acknowledge in this paper.

We thank D. P. K. for the Transactions of the Essex Co., Mass., Agricultural Society, always valuable end instructive.

We acknowledge "The Muck Manual for Farmers" from its learned author, S. L. Dana of Lowell. We shall give an extended notice hereafter. We are confident, from a portial examination, that it is the most valuable contribution that Science has yet made to American Agriculture, and will take rank with the best publications of European learning and skill. We are happy, as far as we have read, to find a perfect confirmation of our own heretical views on several subjects. The style is transparent; and the information practical; just as they should be.

We have to thank a Cansandaigus friend and a dozen others for very kind letters. We should have been home-sick without them. There is nothing like patting a boy, who wishes to do well, upon the head and giving him a hand when he is almost up to his chin in trouble; instead of giving him a kick and telling him to go to the d—ogs. Some people may think we meant to have said a naughty word here, which we might have caught in Rochester, either at meeting or in the streets; but we did not, certainly; it is only an impediment we have in our speech.

To G. K., Geneva.—We shall be very glad of the plates of the Cotswold sheep, and promise to do them justice. Let us know what to say of his Berkshire pigs.

A correspondent in Ohio inquires "what will Mr. Allen take for a pair of his Berkshires?" Mr. Allen is in Buffalo, and we in Rochester, only 80 miles apart, and 80 miles nearer to him than to us. This honest inquirer ought to have a patent for his remarkably direct mode of doing business. Would he not like that we should send him our Farmer by Pomeroy's Express, via Boston and New York?

The subject of Madder is necessarily excluded by the length of the article on Hemp, which we commend to those interested.

S. W. on Tariff and Home League, J. E. M. on Agriculture, H. P. on Corning, two communications on Ploughing Matches, E. S. on Domestic Industry, E. B. on Bail, C., L. G. W. and others on Education, R. S. C. on Schools, M. A. on Winter Agracultural Meetings, W. G.'s corrected Statement of his Views, J. J. T. on Dials, &c., W. S. T. on Bees; and several others, are respectfully acknowledged and under consideration for the future.

Two articles on Threshing Machines will be more seasonable three months hence, if Heaven sends the manna.

The large Hog from Clyde, is in pickle for the next number.

We beg F. B. to let us know where we shall return his fifty cents, which we are anxious to do, together with his very gracious and courteous letter addressed to us,

"I heard a little lamb ery, ba! Said I. you have lost your mam-a." Some few small Inquiries.

The Secretary of the Wisconsin Agricultural Society, in a very police letter, postage paid, very modestly says,—"1 wish to know, (an inquiring mind is always to be commended)

1st. "The number of souls engaged in agriculture in your state?" We believe there are a good many more bodies than souls, or we should double our subscription list. Look at U. S. Census.

2d. "The number of acres of arable land occupied for agricultural purposes, and the estimated average value per acre?" A very prety calculation this, to get the average value of land in a territory 500 miles in length, presenting every variety and diversity of soil and situation as it respects climate, products, market, &c. Will this Secretary please tell us what is the average weight of the inhabitants of Wisconsin taking all the men, women and children together; and please add how large is a piece of chalk?

3d. "The various kinds and aggregate amount of the agricultural products of the State for the year 1841, and their value?" The Census of the United States for 1840, which embraces this information, cost the labor of several thousands men and several hundreds of thousands of dollars. Probably in Wisconsin, being a territory, they never heard the census was taken. It can only be a trifling affair to get it for the little State of New York for 1841, and we shall set right about it and will forward a copy when completed. In the mean time, let him go to the Commissioner of Patons.

4th. "The most important and striking results of those associations formed for the purpose of promoting the agricultural interests throughout the state?" Come to our 30 ag icultural shows next autumn, and see for yourself. It will not do to boast.

5th. " Whether agriculture has received any legislative aid; and if so what, and what effect such aid has had upon that interest?" New York appropriates among the several counties 8000 dollars per year, divided according to their population, and given upon condition that each Society reises as much as it receives from the State to be bestowed in annual premiums for products, crops and animals. She gives a certain amount to the State Society for the same object. She gives likewise, a small premium on cocoons and raw silk. Agriculture is next to education her great interest. Instead of \$8000 she should give \$50,000; but at present, like her sister states, she has found a large hole in her purse, her shoes are down at the heel; and some propose that she should take advantage of the bankrupt act. It is hoped the little thing will get her spirits again, when the ugly ditch, where she has dropped so much of her money, is filled with water. Now, in the suspended state of her public improvements, she seems to be in the condition of the man who undertook to descend the shaft of a deep coal mine by the rope. Before he got to the hottom he found himself, in an agony of terror, at the end of his rope. There he hung, with his legs doubled up, incapable of returning, and feeling that when he let go his hold certain destruction awaited him. The poor fellow, in this dreadful condition, deplored his folly, said his prayers, thought of his wife and children. and when he could hold on no longer, shut his eyesgusped, --dropped----and fell about three inches.

6th. "What effect has been produced upon the agricultural interests by the Tariff; and what, in your opinion, would be the operation of imposing a countervailing duty upon goods from those countries that impose a duty upon our exports of grain, &c.?" Ask Mr. Clay, Mr. Hudson, Mr. Calboun, the Secretary of the Treasury, or Gen. Tallundge of New York. These are all gentlemen of entire teisure, and would doubtless feel much honored and most happy to answer these incuries.

7th. "What per centum of tox is imposed upon the capital invested in agriculture in your state; and in what manner would it be proper, in your opinion, for the legislature to grant aid to the agricultural interest?" In respect to the first, there is no specific or direct tax upon agricultural capital. In regard to the second, we intend to make this a special subject of consideration in the Farmer. We hope to hear from many of our correspondents in relation to the same matter, and should be highly gratified with the opinions of the Wisconsin Secretary.

In conclusion we respectfully advise that in the mean time the Wisconsin Agricultural Society should subscribe for 10°0 copies of the New Genesee Farmer, and we will in such esse give them our best notices on all the very trifling subjects proposed. Did the Secretary of the Wisconsin Agricultural Society ever hear that any body in this world ever had any thing to do besides eating his dinner and smoking his pipe?

"Ladies Saloon.

Positively no admission for gentlemen."

Zelia, came very near a breach of promise. Don't be late on the great occasion. Still incognite! We shall soon have a Junius excitement about you.

Here's a bevy of lasses! opening in beauty like the flowers of spring; full of sentiment, enthusiasm, poetry. "O! the days when we were young."

Flora has our respect for excellent sentiments, well expressed, of which we shall avail ourselves. Imagination is not wanting; but her rhyme flutters upon one wing. Her secret is safe; and let her often show "Merey."

Sorah! you are a rogue. Stand up for the farmer's industrious daughters. They are the jewels of the land. Llift up your veil; and don't set us running after a 'will of the wisp.' We should like to see your milk pans and pails, your churns and cheeses.

Annette is too personal; why should you pun—ish an unfortunate youth in that style? The motto on the scal "a hand to give and a heart to forgive," seems a sort of "Return Jonathan." "The deadly arrow remains in the side." O, cruel, cruel, Barbara Allen?

The letter from Helen, referred to last mouth by Adolescens, was not seen by us until after the receipt of Annette's letter. It is the one published in the Farmer last September, page 141, on Female Self-Education. We have read it, and deem the inquiries highly reasonable and important. We have partially answered them in our reply to Adolescens: but will say more when we have more leisure. Such an inquiry is not to be dismissed with the brush of a pen.

The pretty lines from J. L. are accepted, with the exception of the two last stanzas. There the nag evidently broke his trot and got into a shuffle. A tighter rein, and a little more uprightness and firmness on the saddle, the certain result of skilful practice, and the plate is won.

The Weuther. -- The King Apple. [In a letter from Cayuga county.]

Foretelling the weather—or rather guessing at it is a common practice in this country. It serves to amuse a vacant moment. It would be quite a privilege indeed, for him that works in the open air to foreknow just when he might be pelted by the pittless storm,—for according to the proverb, "forewarned, forearmed"—with a great coat or umbrella.

It was said in ancient times that no man was ever caught in a shower without due notice of its approach, so significant are the phases of the atmosphere; though in some countries without doubt, the indications of change are more certain than in other countries. Immigrants in this region of lakes and inland seas, often complain of the uncertainty of the weather; "there'a no telling;" but after a time they get nearly as much

wisdom as their neighbors, "be the same more or

I admit that we may often judge with some correctness of the weather for the present day; possibly we may make a good guess in the evening of what will happen to-morrow; but the third day is entirely beyond our reach. Not one of your readers can foretell the weather for three days in advance. I may startle them indeed; but if they think I am wrong, let them of them agree on what shall happen, and reduce it to writing. I give the form of such a minute, to be alered according to circumstances :- Three days hence, the sun will rise without a cloud-mild and pleasantwind in the west. In the afternoon, a snow-squallthen clear, succeeded by a sharp frosty night.

"O, we can't be so particular as that." now particular can you be? "Why we can tel! whether it will be likely to rain or snow within a week r so." Yes, that may be well said in a rainy or nowy climate without adding much to our stock of snowledge; but you enmot tell the quantity that will fall. You connot tell, for instance, when one of your friends comes a hundred miles in a sleigh to see ou, and the snow goes off, how long he must wait or good sleighing to return; nor whether it would be petter for him to stay a few days longer, or procure a vagon and go honte. All our knowledge of the third day hence amounts exactly to nothing; and the sooner we become satisfied of this truth, the better it will pe for us,-for we shall then not be disappointed, but prepared to take the weather as it comes.

Vague and indefinite pretension is a more cloak for gnorance; but I believe that many persons are not aware of the deception that they practice on themelves. Numerous are the rules for determining the veather that is to come; and many who adhere to hem, believe in their correctness; but this could not aspren if they kept accurate records. They forget heir failures, and only remember their success. It would be strange bowever, in our variable climate, f they did not hit sometimes; and when they do so, hat satisfies them. Two misses to one hit, has no permanent effect on their credulity. They console hemselves with thinking that all signs fail sometimes or the miss was merely accidental-or they came very near it-or something else.

All the rules that I have heard for judging of the weather, are entirely fallacious; and founded on no cause capable of producing such effects. The moon ass been credited on this score to a great amount; out accurate registers, kept in one place for fifty years, and in another place for thirty years, show that she has nothing to do with the matter. The rules ealled "Herschell's" are spurious : and our observaions have proved them to be utterly worthless.

Some judge of the weather by the aspects of the new moon-whether the points are turned up to hold he rain, or turned down to let it sprinkle us. Now all this depends on the relative positions of the sun and moon, easily calculated by any astronomer fifty years beforehand. The moon never strays from her prhit. But to show that all such rules are unfounded, t is only necessary to remark that one tract of country is deluged while another is suffering from drought. While we were parched the last sesson, the country 200 miles south of us, had rain in abundance, "We have had a wet summer," says a correspondent in that quarter, " except in the beginning of the sixth month. In the eighth month the water issued from the sides of the hills along the roads, as it does in the spring of the year." Now it is always raining or snowing on some parts of the earth, and always dry and parching on some other parts. All such such rules must therefore be nonsense, and nothing else. Can the moon

for both often occur on the same meridian, or in the same latitude, and not unfrequently even in the same country.

Some say the last Friday in the month is the index of the weather for the next month. Why should it be so? There is no reason why. This notion, found ed on nothing but a whim, could only have originated in the most deplorable ignorance; and its adoption is a proof of the grossest credulity. It has not bring the matter fairly to the test. Let two or more even the plausibility of witcheraft, and is unsupported experience; but the half breeds are excellent in size. by either sound sense or observation.

Many indee of the mildness or severity of the coming winter by the shape of a hog's melt (spleen). If that viscus had been moulded by the weather that had come when the animal was living, it would be odd enough-as odd as if the weather had given a new shape to their own noses; but that heat or cold which has not been felt, and had no existence at the time, should give it form, exceeds all credibility. It reminds me of the aruspicy of ancient Rome, and deserves no more credit-fit only to be entertained by the worshippers of idole.

N. B. The preceding remarks have no reference to scientific investigators of atmospherical phenomena.

The King Apple is a winter fruit; and was brought to this place from Tompkins county, though I believe it was previously cultivated in some other parts of this county; but I have learned nothing of its origin. It appears to be a good bearer. The following description may assist in identifying it:

Fruit large, or middle sized, roundsh or conical, inclining to flat. Eye small, closed, in a narrow shallow basin. Stalk an inch long, set rather deep in a wide cavity. Skin a light yellow on the shaded side, streaked or blotched with red next the sun, and where much exposed, passing into a full red, sparsely marked with brown dots near the stalk, but more thickly dotted near the eye. Flesh whitish yellow, subacid but more sweet than tart, of a fine flavor.

For the New Genesee Farmer. Comparison of the Devens and the Short Horas Mr. Entron-

In a late number of your valuable paper, "A Subscriber" enquires how the farmer, in view of the conflicting opinions with regard to different breeds of cattle, can arrive at correct conclusions respecting the best breeds, both for the farm and the dairy?

Permit me, having had some experience with the Durhams and Devons, to give my views of the two breeds of cattle. Both are unquestionably excellent kinds of cattle, the rearing of which has been too much neglected.

I should be much influenced in a choice by location. If in the Western part of New York, Ohio, Kentucky, or Tennessee, I should prefer the Short Horned Durhams, for the following reasons: -in a grain growing country, or one well adapted to the culture of roots, the Durhams would be Lost; for they are a large breed of cattle, and require good keeping, and more time to mature than the common kind; and their size is, I believe, much increased by warm stables or climate and good feeding, for they are generally in the hands of those who take the best care of them.

So far as my experience has taught me, they do not endure the cold weather of middle New York, as well as our common cattle, nor equally fatten on grazing, at two or three years old.

I have not seen them used as working oxen, and cannot, therefore, speak of them in that capacity; as milkers, I consider them good as to quantity, though not above the common cattle, with the same treat-

But for the New England States, and the northern

Devons; for they are less in size, are finer boned and closer made; will thrive well on less strength of food, are easily kept on hay, mature younger, are very hardy, and prove well for the slaughter at two or three years old. For working oxen I have seen nothing their superior in the New England States; for they are traciable and active, unsurpassed in color, me easy to match and of good size.

With full blood Devon cows I have had but little shape, and color, and their milk rich, though not large in quantity. I think our common cattle much improved, both as working oxen and as cows, by a cross with the Devons.

Having thus given my opinions, very briefly, upon both kinds of cattle, I would, in conclusion, request any of the subscribers to your valuable paper, also to state their experience respecting the Durhams and Devons. It is only by a mutual interchange of opinions, that truth is elicited and promulgated.

December, 1841. A SUBSCRIBER.

Editorial Remarks on the above.

We owe an apology to 'A Subscriber,' for delaying the publication of his article. One reason is that our paper has of late been so bristled with horns, that we feared many readers might be deterred from approach. A better reason is, that his communication is not satisfactory, especially as it was without authority : and we regret that, now we have the authority, we are enjoined to withhold the name.

The question on which he pronounces so confident a judgment is a debatable one, involving some feeling and many interests. We want then facts, not more opinions. In this case, for example, we want to know how many of the Durhams or Devons he has owned or bred, and how long an experience he has bad with them, what was their pedigree, what their ages, what their weight, how they were fed and how managed? We want to know likewise, in regard to the Durham and the Devon cows, or the mixed race, what was their actual product in milk or butter. The pail and the churn are the only tests, which we admit. of the character of a cow.

In some respects, his judgment is entirely opposed to the prevailing opinion. He speaks of the Durhams as coming late to maturity. A point for which their advocates most strongly value them, and we think with apparent reason, is their coming early to maturity.

He says the Devous will thrive well on "less strength of food." The Durhams are larger amimals: and size, though not always, yet generally requires a proportionate amount of food. But excepting this, we doubt whether the Devons will do better on liny only than the Short Horns. That the Devons are more hardy must probably be admitted, as high bred animals, such as the best Short Horns, require peculiar attention and care to keep up their condition.

blood of the Improved Durbam; but we can hardly expect to find any eattle which, as working oxen, surpass the Devon and their crosses. In general, animals of moderate size and snugly built are better working oxen than those which are large and heavy. As milkers, many of the advocates of the Improved Durhams admit that a cross of the Durham with the

We have seen some admirable oxen of very high

Devon is an improvement, as it respects the milking properties of either mee. We have seen excellent re-

sults from such a cross.

Tomato Figs.-These are certainly a luxury-one which comes within the reach of all, for every man who can put down pork for his family use, can put down a jar of them, and by so doing the utility of tomato pills, which now rank so high as a newspaper medicine, will be superceded, for in preparing the figs the medical qualities of the fruit are all concentrated. At the South they are already in high repute. And at make wet and dry at the same time? It is abourd and middle parts of New York, I should prefer the the North too, as far as they have been tried. W. B.

THE NEW GENESEE FARMER,

illemp.

To me admines of T. R. B. in regard to the cultivation of Hemp, we are hapty very fully to respond in this number of the Farmer; in a way which, we trust, will be satisfactory to him.

Tue report of the Commissioner of Patents gives the amount of flax and hemp produced in the United States as amounting to 101, 1819 tons. But it is a curious circumstance and adapted in some digree to abate our confidence in these tables, that in the returns obtained by the United States census, in the first place the two articles are not distinguished one from the other, so that there is no possibility of determining how much of flax or how much of hemp was raised; and in the next "the amount is sometimes given in tons and sometimes in pounds, so that it is not always easy to discriminate between them;" that is, as we understand it, it is not known whether the figures of the Marshals mean pounds or tons, which to be sure would make some little difference in the re-Officers employed by the government and paid for obtaining returns, who have not knowledge enough or one enough to distinguish between tons and pounds, certainly deserve a vote of thanks from Congress with biass collais for their exactness. The Commissioner says that probably more than baif the whole amount must be afforted to flax, as but little he no, comparatively, is known to be raised. He says again "that same of the amounts should rather have beca credited to pounds for flax than to tons, as more nearly corresponding to the actual condition of the cross in our country."

Boat is, that " Kentucky probably ranks the highest with respect to the production of hemp. The year also suffered from the dry weather. so much attention paid to the culture of this niticle as its importance demands; yet there is every ground of one mrage acut for increased enterprise in the production of hemp from the supply required in our own The difficulty most in the way of its success, bitherty, has been the neglect either from ignornace, inexperience, or some other cause, properly to prepare it for use by the hest process of water-rotting. 'he aguculturists of our country seem, in this respect, to have tons on yielded to discouragement. straideness of some new and attisfactory results on this subject will be seen from the fact that it is stated the named consumption of bemp in our navy amounts to nearly two thousand tone; besides which, the demand for the rest of our shipping is not less than a sout eleven thousand tons more; making an aggregate of nearly thirteen thousand tons—the price of which is put at from \$220 to \$250, and by some even as high as \$280 per ton, together with other and inferror qualities, which are used to supply the deficiency of the better prucle. Our hemp, it is further stated, on high authority, when properly water-rotted, proves, by actual experiment, to be one-tourth stronger than Russia hemp, to take five feet more run, and to spin twelve pounds more to the four hundred When so much is felt and said on the inpricings. When so indea to let a san object worthy of a tention to a cure, if possible, the production of hemp in our own country, adequate to all our de-The introduction, too, c t guany bags, and of Scotch and Russin bagging, and iron boops for cotton, renders this direction of the hemp product more necessary and important. It is hoped that some pro-cess of water-rotting, which will prove at once both cheap and satisfactory, may yet be discovered.

We subjunding a letter from John Wilson of Deerfield, Mass, on whose intelligence and experience, so far as it has gone, entire relance may be placed; and I have great pleasure in adding a letter from Henry Clay, of Kentucky, on the same subject, with which I have been recently honored. Mr. Clay has ever distinguished himself as the devoted and inflex ible friend of domestic industry in all its departments; and his own improvements in agriculture and his enlightened zool and labors for the advancement of this great interest, are not among the least substantial bencitis which he has rendered to his country, in a life devoted to her honor and prosperity. Letter LowFren John Wilson. Decripted, Teb. 11, 1812.

Mr. Colman-

My ESTREMED FRIEND-Your letter of the 5th came to hand yesterday: with pleasure I will answer your moniries in relation to the culture of homp, so far as lantable, I thought I could find my memorandum on the subject of hemp, by the help of which I should have been able to give you much valuable information on the subject, but I cannot find it . I must therefore, do as well as I can from recollection. Not having expected to have my attention called to the subjeet again, I have forgotten much that might now be useful, though I should feel a confidence in myself to manage its culture in all its parts, were I to go into the business as I once did. In 1830 I was very largely interested both in raising the crop and purchasing hemp in the stalk by the ion," for retting and dressing by a machine for market; this then being a new business, we suffered much and learned much, which might be turned to a good account now were I in the business.

I will proceed to answer your questions. Ist, What is the proper soil? Perhaps no soil in the world is better adapted to the growth of hemp than the tillage land in the meadow in front of your house at Meadow Banks, or much of the rich tillage in Deetheld meadowe, or en my old farm on the Connecticut. The soil on the Genesce River I should consider well adapted to hemp; in short it wants a warm, deep, rich loain, just suited to the growth of Indian coin. What are the necessary preparation, manure, &c. ? That land which has been in Indian corn, potatoes, or any other spring crop the last year, may be prepared for hemp. The land should be well manured with any kind suitable to plough in for corn, (I never saw too much put on) the land should be ploughed and harrowed two or three times, to reduce it to a fine tilth-rolling is very useful to crush the lumps.

The time of sowing, quantity of seed, preparation of seed, drills, hills or broad east? From 90th of May to list of June (bere). I suppose your seasons will not vary much from ours. Two bushels to the nere is the usual quantity of seed, and it should be of the last year's growth—try it before sowing, old seed will not vegetate well—very rich land will require mote; no preparation of seed required. Sow broadcast, and be cure that the seed is equally distributed over the surface, I have practised sowing a part of the seed one way, and the remainder crosswise. The seed should be covered with a light harrow, and were it not that the hemp pulls harder, I should prefer roll.

ing after sowing. The after culture, and whether the male plants are gathered before the female plants, &cc. ? The male plants are not gathered before the female plants, for the fibre; both are pulled together soon after the male ensts its frama, before the seed is ripe; the male ripens first : when the male stalk turns yellow and drops it leaves, both are in a fit state to pull. For raising seed a piece should be set apart expressly for that purpose. I practiced sowing in drills; rows about two feet apart, three or four inches between stelks I should think a proper distance ; they should be heed ; the male stalks should be taken out after casting the fari na ; in this open culture the female plant grows very large and branching; before it begins to east its seed it should be cut by the ground, and after lying long enough to wilt, should be tied in small bundles and a few set together, open like shocks of corn, to dry; when dry let it be carefully carried to a threshing floor on the ground or to the barn, where, in a dry day, it should be threshed. Fifty bushels of good seed are sometimes produced to the acre; after eleaning the

*I think we paid 12 or \$13 per ton, delivered at the pond, for dry hemp in the stalk.

seed as a warmowing and, it should be specified a loit to dry.

The time and mode of harvesting? As before stated, when the stalk of the male hemp begins to turn yellow, after casting its fairing and its leaves principally shed, the hemp is in a proper state to pull; this is done in the same manner as of pulling flox, each hand taking a work wide enough to spread bis own hemp on after him; the hemp, after lying a day or two in good wenther, should be taken up and bound with attraw in small bundles, and set up in small open bunches to dry, the sheaves should be well bound or by often handling they will get loses and open; after the hemp is perfectly dry, it should be either housed or well stacked in the field for retting. Standing out exposed to down and had weather, gives the hemp addre keeler and is not so good.

How rotted and broken and prepared for market? About the 1st of September, " the hemp should be packed down in a rond, and boards or rails put across the bundles with sufficient weight on them to keep the hemp under water, here it is to remain till it is sufficiently rotted to separate the fibrous from the ligneons part of the stalk; from 4 to 6 weeks, according to the temperature of the water, will complete the process. To know when it is in a proper state to take from the water, small parcels should be repeatedly taken out, dried and put under a break like flax; when it is found to be in a proper state, the water should he drawn off and the hemp drawn opt on sleds and set up against tences or poles, put up on crotches, to dry ; here it may stand without injury during the winter, or he dressed out like flax at any time when it can be dried; if it is to be dressed by hand, which I should prefer to any machine that I have seen, it requires a break much coarser than for flax, breaking the woody part of the stalks coarsely, they separate from the fibre in dressing much easier than if broken fine; after breaking and shaking out what shives will come out readily, it is put on to a perpendicular hoard like flax but does not require that quick powerful use of the swingling knife as flaz; a light slow brush of the knife downward on the hemp, will separate the wood from the fibre better than a quick motion, and with less waste to the hemp; I would premise that the end before swingling should be cleaned by a coarse beakle After the hemp is cleansed, two or three handfull should be put tegether, twisted a little and laid a length en the floor, and when a bundle or ball of goosize is so piled, it is bound firmly together in thre places with handfulls of the same bemp or with

The average yield per aere? The expense of cultivation? The value to the grower when prepare for market? How disposed of? Objections to it culture, &c. ? The average yield is from 4 to 30 pounds per acre; the expense of cultivation depend on the quantity of manure, number of ploughings an harrowings in the first place. It is a day's work t pull a quarter of an acre of good hemp. After pul ling, the carting and retting will depend very much o the situation of the pond, whether it be near or die tant ; as to dressing, I believe a man can break an cleanse 50 pounds of good hemp in a day. The pric of hemp in market varies like other productions though good water-retted American hemp I censic er count to good Russian, yet I believe it does m usually sell quit so high-the price ranges from 10 15 cents per pound I should think that in your see tion of country much of the hemp that might be rai ed there would find a home market, to be manufatured into cordage for various uses. I know of I objections to its cultivation; it leaves the soil in a fit

*Perhaps this is a little too early, the weather should cool when it is taken out of the water to prevent ferment tion. ipletely that no weeds of any kind will grow with The amount of vegetation taken from the soil st make it an exhausting crop of course, but the ntity of manure previously put on to the ground roduce the crop, will keep it in a productive state the next. I believe I have noticed all your enqui-, but I fear not much to your benefit, at least I ild have been glad to have done it more to my a satisfaction.

Letter II -- From Henry Clay.

Washington, 4th March, 1842.

PEAR SIR-My engagements of a public nature are such that I cannot answer one letter in 20 I receive, and I must reply very briefly to yours the made of cultivating Hemp. I once wrote ssay on the subject, of which I regret that I have opy to send you. It was published in some agriural periodical published at Cincinnati.

he best soil for Hemp is a rich vegetable mould, a clay substratum, either fresh, or which has long in pasture. Any stable or ordinary manure oad, if it be necessary to use any, which depends n the degree of the fertility of the soil. Hemp auste very lit le, and I have known it cultivated successive years in the same field without any inution of the crop,

he ground should be prepared exactly as you ld make the best preparation for wheat. A bashld a peck of seed, or, if the land is uncommonly a bushel and half, to the acre, should be sowed, d cast, from the first to the 20th of May, All plants, male and fema'e, are gathered, by pulling utting close to the ground by a cutting knife rebling a reap hook, but shorter. The plants inled to produce seed are sowed by themselves in s, and cultivated with the plough and hoe, so as eep them clean.

be Crop Hemp is pulled or cut (for there is not h difference between the two methods, although efer cutting) about the 20th or 25th of August; the proper time is indicated by the Hemp leaves ing a little yellow, and the faring escaping when stalks are agitated. When cut or pulled, the is are suffered to remain on the ground a few days I they are cured, and if a rain falls on thent so It the better, as it will render the separation of eaves from the stalk easier. After being cured, hemp is tied up with a hemp stalk in small bunconvenient to handle, and shocked in the field. best farmers, in a week or two afterwards, stack n on the field, throwing the tops inside and the

ate in November or in December the stacks are en, and the Hemp spread down on the field, or he sod, to ret. The length of time it should remain ends upon whether the ceason is wet or dry, but it not be less than seven or eight weeks, and may onger. It is spread as you would spread flax regly, and avoiding its being tangled You cannot e whether it is sufficiently retted or not but by ng up a handful and ascertaining if the lint will rate easily. When sufficiently thus setted it is n up, and again shocked, and broken out, in the the of February, March, April, &c., as convet, by a large hand brake. I task my hands 80 per day, and allow them a cent per lb. for every id beyond that. I have known, in some instanas much as 250 pounds per day broken out. As handful is broken out, the shoes, that is the little icles of the stalk which adhere to the lint, are fully beaten off, so as to make it clean, and the p is laid away, and at night tied up in a bale or

n state for any following crop; it fills the ground so brake, and there have been many, have littlecto

The above method is what we call dew retting. 1 have never tried water retting. That is effected by immersing the hemp stalks in bundles, in water, and keeping them under with weights. September is the best period, and standing better than running water. The length of time may be a few days or more, according to the temperature of the water. You judge, as in the other mode, when it is sufficiently retted,

The Hemp intended to produce seed is suffered to remain in the ground until the first light frost, is then cut, and after a few days the seed are threshed out.

I regret that I have not time to enlarge on this sub-I am respectfully Your ob't serv't,

H. CLAY.

CORRESPONDENCE.

MR HINRY COLMAN.

Extract of a letter from C. N. Bement, Albany, of

the 21st February.

"I forwarded, a few days since, a communication for your paper, detailing some experiments which we have tried, to make good batter in the winter, which I hope may be of some consequence to the dairywomen and interesting to your readers. We are so thoroughly convinced of the utility of the process, not only in the quality but in the quantity of the butter, that we have procured a supply of water pans for our use, with het water in winter and cold water in summer. We claim nothing new or original in the matter: but if we can induce the farmers to try it. we shall think we have done some good to the cause. I am certain those who try it will thank me for the information. If I can add an unit to the sum of human subsistence and comfort, I shall consider myself well paid for my trouble, (not pleasure) in communicating it. I will not make any rash promises, but you may be troubled with some more results of experiments which I have made, or shall make hereafter, if my life is spared."

We most certainly hope and desire that our friend Bement's life may be spared, for agriculture has not in the country a more ardeat friend to its improvement. His zeal, while it is associated with great exactness of observation, must essentially contribute to this good object. We cannot wish, in the terms of the Spanish proverb, that he may live a thousand years, for that would be much longer than many of his friends would like to remain without seeing him; but may be live till all his agricultural experiments are completed, and as much longer as he himself desires.

Extract of a letter from John Caldwell, at Salisbury Mills, Orange Co., N. Y , dated February 28th, 1842 .- On the subject of the Manufacture of Silk. Mr. Caldwell is an intelligent and attached friend

to the agricultural interests of the country; is President of the Orange Co. Agricultural Society of that county; and delivered a very sensible speech at their annual meeting, which we should be glad to transfer to our columns in full, if our limits allowed of it.

We have little hopes of the Government's extending its protection to the industry of the country in a form in which we think the interests of the conntry démand. At present, it might be well enough to leave the introduction of foreign raw silk free; but we think it should not long remain so, but the production of raw silk should be encouraged by a duty, which should amount almost to a prohibition. We believe that the production of raw silk is of much more importance to the agricultural interest than the manufacture of silk; and that under a judicious law s, and carried to the Hemp house. All attempts of import, the manufacture would soon grow up, and nothing is low becau abstitute horse, water or steam power to the hand as rapidly as could be desired, when the raw material Speech at Hartford.

came to be produced as abundantly among us as in three years from this time it might be. Under the operation of a liberal bounty, Massachusetts has within a year increased her production of cocoons from less than three thousand lbs. a year, to more than 27,. 000 lbs; and this, as is ascertained, without the bounty, at a net profit of more than two dollars per lb. on the sith. These are most encouraging facts, especially to the small farmers and those who feel the want of profitable employment in their own families, and feel how closely connected with domestic comfort and good morals is the encouragement of what is called household industry.

The silk culture is a subject in which we take the deepest interest, and we beg our friends in all parts of the country, to let us hear from them whenever they have facts to communicate.

"As no doubt you take an interest in the raising of silk and its manufacture, I beg to inform you that Mr. George W. Muriny has established an extensive factory, propelled by water power, at Paterson, in New Jersey, for the purpose of manufacturing from the raw material, sewing silk; which he enfter he may extend to that of weaving. It has been about one year in operation, and its success is equal to his most sanguine expectations. It s dyeing establishment is in very superior style, and turns out sewing silk of beautiful and standing colors, put up in half or quarter pound packete. In the present state of preparation he can only send out 50 pounds on a week's notice, put up as may be required, being daily called on to supply the manufacturers who make fringe, coach lace, &c. This is a kind of silk totally different from sewings. He offers to purchase American silk, or to manufacture it into sewings for the proprietor at two dollars per pound for blacks, blues, drabs and light dyes,-for the higher colours, such as searlets, crimsons, purple and plumb colors, three to thice and a half dollars per pound. His works will turn out shortly, independent of the coach makers' supply, 200 pounds per week; and a few days since, he received from Connecticut a quantity of American raw silk to be manufactured into sewings, and to be put up in skeins and on spools. Salk for weaving is made into tram and organzine, but it is not possible to succeed in that branch in this country, so long as there is any duty on raw silk; whereas this material is charged with the same duty as the foreign silks of all descriptions, putting, by this policy, the foreign manufacturer on an equal footing, and all the advantages of cheap labor, with the domestic manufacturer. It is to be hoped, however, that this condition of things will be modified under the contemplated regulation of the tariff. For sometime to come, the entire produce of the raw material in the United States would not produce of raw silk, a thousandth part of the demand. As it may be an object to the growers in your parts to get this information through your valuable publication, you can if you think proper, make it public. In this county we hope to have many specimens of the industry of our people exhibited at our next fair in this branch, and I trust in all others that may and must contribute to our welfare, we shall not be found wanting. I did hope that at our Albany meeting there would have been some expression of our feelings favorable to a protective tariff, and was very much disappointed at the apathy on that subject.

Do not impute to me interested motives in writing as I do about a protective tariff, further than t'e interest every citizen should feel for the well being of his country. I am not, nor do I expect to be, concerned in any manufacture whatever."

Nothing is high because it is high in rank; and nothing is low because it is low in life .- Dieken's

Good Temper or Elegant Specimens of Broken Crockery.

"We strike the New Genesee Farmer from our exchange list, the editors having forgotten their promise to send their paper to those who, like us, have published their prospectus. There is a trickiness about the mano-uvre that the agricultural press should be ashamed of."

There's for you! from the BURLINGTON GAZETTE, printed in Burlington New Jersey, and edited beyond all question by the President of the New Jersey Peace Society. Unfortunate wights as we are! we failed to see his elegant sheet, until some kind young man prelose a sheet so redulent with the spice of good humor; and since he has seen fit to send us so unceremonious-17 to the dogs, we do not presume to ask any longer an exchange all on one side; but beg him to put us down as subscribers, and promise to pay in the first bill of the United States Bank of Pennsylvania, that comes into our possession.

The next is from the BRITISH AMELY AN CULTI-VATOR, published at Toronto; and this, another steamboat Caroline affair, threatens the peace of the two e untries. It is strange that men living under a petticoat government can be so terocious and belligerent. We shall certainly tell the Queen, when we see her.

"Desirous of doing all that we could to make our p per interesting, we lately applied, through a friend residing at Rochester, to the Proprietors of the Genesee Farmer, which has been so largely and liberally supported by our own farmers, for the privilege of using their cuts when applied to the subjects in our columns. They of course have many which they could, without inconvenience, seilus; but we felt disappointed when we were informed our journal was looked upon as a rival, and that consequently we had no reason to expest any favors from such a quarter."

Now why could not our neighbor, when he stated the case, have given the words and not his version of our answer to his application. Had our neighbor been unfortunate, had he been; sor, had he been so situated t'nat he could not procure cuts for himself, we certainly should not have cut him. But the well executed engravings of this present number show that there was no such want. Why should be desire to shine in borroved plumes when his own feathers are so brilliant? We should be glad to learn upon what principle of morals any man is bound to relinquish to his next-door neighbor in the same trade, any honest advantages which perchance he may have from his industry or enterprize or more liberal expenditures, which same advantages his neighbor may have upon the same terms.

We recollect a student in college sending to his neighbor to borrow his bellows. The very proper ansiver was, 'come and use them at my fire all day if you please.' This system is carried to perfection in Michigan. There a woman sent a child to her neighbor's with this civil request, "Mamma wants to borrow your baby because her breast is sore." Now we advise our neighbor at Toronto to move at once over the line, and try in Michigan if he cannot find a cure for his broken temper. We mean nothing uncivil we ass ire him.

To other Papers and E (dors .- We are happy to exc'range our humble sheet as far as lies in our power, with other editors and papers, and must take our chance of sometimes making an advantageous and sometimes a profitless exchange; not profitless, however, for we shall always be gainers by a friendly intercourse. If in any instance our paper fails to go where it is desired, we beg to be notified, as in no case shall such miscarriage or omission be attributable to any intentional n gleet.

TAE SEASON .- The plough was under full way in Onondaga Co in one place on the 11th March

Industry and Economy.

Here is a second letter from Zelia, "mixing the useful with the agreeable." She discusses some of the causes of our public embarrassments and troubles like a politician. We fear, however, she does not do her own sex full justice. We admit that many women have brought ruin upon their families by extravagance in dress, furniture, and entertainments; but we believe this has been done in most cases, because they have been kept by their husbands ignorant of their true condition, and the husbands have been disposed to encourage, oftentimes, this extravagance for the sake of sented the paragraph to our utter consternation. But the reputation of wealth or for concealing their own we hasten to make amends. We would by no means bankrupt condition. It must be said likewise, to the credit of the women, that in general no persons behave better than most of them under the reverses of fortune; and their sense of justice is much more seldom impaired or destroyed than that of men. The advice of Zelia cannot, however, be amiss. We should be glad to enlarge upon it, but shall leave it to her skilful pen.

Mr. Colman-Encouraged by the favorable notice you gave the few remarks I forwarded to you last month, I send you the following observations on Female Economy, a subject in my opinion, not unworthy of attention in these trying times. There is a French proverb which runs thus: " Women can do everything, because, they rule those who command everything." I am not, nor would I advise any one else to be, so vain as to believe this to its full extent, but that such and similar ideas have become proverbial, proves that women possess a powerful influence in society; and we may add, in no country does that influence prevail to a greater extent than in our own. As all rational beings are responsible for the influence they possess, to society and to a higher authority, it may be well to consider how we have exercised it; whether to meliorate the condition of society by promoting temperance in all things, industry, and economy, with their natural consequences, virtue, health, happiness and independence; or whether its general tendency has been to embarrass and impoverish, to promote and encourage extravagance, fully and idleness with all their consequences.

These are important considerations for women of every age, class and condition, at all times, but especially now; and there are no means so effectual to bring them before the public as through yours and simdar journals, the public advocates of industry and economy. I believe it is generally admitted that the extravagance which characterizes our age, the enormous expenditures of time and money on mere trinkets, is the predominant cause of those embarrassments that press with such deadly weight on this country at present; nor need the remark be limited to this country. It is applicable to others, but our own country must be the first object of our consideration. No particular class is exempt from the charge. All have lived beyond their means, beyond the limits of common cense and prudence, particularly in our republican land, where it should be the aim of all to secure and maintain their personal independence as well as the independence of their country. Indeed these are inseperable. Neither can be maintained without true economy. No person or people who consume more than they produce, can long escape being enslaved some way or other; nor will the millions, who are now trodden down by ill-used power, ever attain to freedom, so long as they waste their scanty means in imitating the extravagance of those whom fortune, fate, or other powers have placed above them. Economy, public and private, must be the watchword of all who aim at true happiness and independence. Legislation, to be beneficial must be dispensed on these principles; but the certain remedy, without which all else will be of no avail, must be found in the reformed habits of the people. It does not require much sagacity to perceive this.

What I wish particularly to speak of now, is, that women have done much, both by precept and example in bringing our affairs to their present depressed condition. At the advice and solicitation of wives and daughters, how many husbands and fathers have beer induced to assume a rank far above their means, to indulge in those fashionable follies and vanities that have brought such wreck and ruin upon the land! How many splendid entertainments have been given, elegan and costly furniture, carriages, dresses, jewels, &c. &c. purchased by those whose real income would not i justice have afforded any of them, merely to gratif female vanity and love of false grandeur! Such has ing been the case, it now becomes us, one and al when our airy castles have vanished into thin air, t make amends by an opposite course of conduct. In stead of endea oring to rival each other in the cost ness and splender of our dress, furniture and fin things, we must endeavor to excel in the pruder management of our domestic affairs. We must con sult carefully our means before soliciting our fathers husbands to buy this, that or the other thing.

Living beyond our means is an unlikely method t gain respect or admiration, and a sure one to bring t to poverty and discontent. Simplicity is more esteen ed by sensible people, those only whose esteem is des rable, than show or gaudiness. Bright and clean fu niture, such as comfort and convenience demand, is better evidence of good taste, good judgment, and goo housekeeping, than that which is elegant and exper sive; a few well cooked dishes are better and mo creditable than a very great variety, and thus it throughout the whole range of domestic managemer We must attend more to the useful and less to the o namental. We must devote but a very small portic of our time to the making of bead work-bags, net wor and such like, while other more important duties a neglected. We should spend few of our mornings afternoons riding or walking in search of health! exercise, while the flower garden, with its ten thousan charms, craves our spare hour, and offers in retu health and the purest and sweetest of human enjo ments. In fine, we should remember that we are a countable beings, accountable for the time, the taler and the influence which God has kindly given t Our hours and days should not be permitted to po unproductively away, while so much embarrassme prevails and the means of living are so scantily (joved by many of our fellow beings. Not a day nor hour searcely passes, but affords us an opportunity extending a charitable hand, if we could afford it, a why then should we be so foolish, so irrational, as spend so much as we have done on mere baubles, cc paratively? I am not desirous of curtailing the ple ures of life, or hoarding up riches for their own sal no such thing; but would recommend such true eco omy as will promote permanent and rational happine and enable us to do good where the opportunity r sents itself. For any other purpose, the acquisition wealth is scarcely worth a thought. This subject, I doubt not, will be deemed by so

quite inappropriate for the female pen; but I only gret that I cannot bestow more talent on it. It is well deserving of female attention as an elegant po or a romantic story. It is now time to treat of the alities of life, stern though they be. I hope the subj will find many and able advocates. ZELIA

Yours. &c.

P. S. I ammuch gratified to find a "kindred spin such as W. B. in your columns. I hope he will con nue to ply his talented pen, and give us instructions gardening, now when welcome spring is at hand. hope I may soon have the pleasure of finding ma such spirits in your columns. I am sorry that name did not seem to you appropriate but you know Rose by any other name would smell as sweet."

marks on Seeds and Seedsmen -- Sowing Seeds, Causes of Failme, &c.

The production of living plants from small grains seed dropped in the carth, is one of the most wonful and beautiful operations of Nature. When mined by the light of Science, it is found to be ected by the combined agency of earth, kir, moise, and heat; and to ensure success, it is necessary t these four elements be combined in due but difent proportions, according to the nature and babits the different kinds of seeds. Hence arises the ciculty of causing some kinds to vegetate; and the certainty which guideners generally feel respecting my of their crops untill they see the young plants ear. Henco, also, arise most of the complaints ich are made to seedsmen, and the censures which unjustly cast upon them by inexperienced cultiva-

n order to explain this subject, and with a view to sen the evil, the Propietor of the Rochester Seed e has annexed the testimony of several highly pectable and successful cultivators in the country, some accounts of their methods of preparing sowing several of the most important kinds of de that are liable to fail with careless management. The Editor of the Albany Cultivator, speaking

this general subject, says :-

Seeds often fail to grow; and the seedsman is n faulted, for vending bad seeds, when the ise of their not growing is owing to the gardenor planter. To induce germination, moisture. nospheric air, and a certain temperature, are ispensable; and it is also requisite that light be luded from the seed, until the nutriment of the d is exhausted, or until the root can draw nourment from the soil. The first effect of the air, it, and moisture upon the seed is, to change its perties-to convert its starch into sugar-into a t of milky pulp, the proper food of the embryo nt. If at this stage the seed becomes dry, its ality is believed to be destroyed; but if these ents are permitted to exert their influence, the itents of the seed swell by degrees, and the first nt of the future root having formed, breaks ough the shell in a downward direction, and out the same time the first point of the future m comes forth in an upward direction. The sence of the air, heat, and moisture are as inpensable to the growth of the plant, as they are the germination of the seed.

Now it often happens, that when seeds are ated in fresh stirred ground, or when the soil is ist, they undergo the incipient progress of ferintation, and the earth not being pressed upon im, and dry weather ensuing, the moisture is abacted, and the seeds perish. Too much moise is also often destructive to the vital principle seeds-and others again are buried too deep to vivified by solar and atmospheric influence .e first object in planting, therefore, should be to ce the seed just so far under the surface, and so over it with earth, as shall barely secure to it a istant supply of moisture. There are many ds, as of the corret, parsnip, orchard grass, &c. ich if not previously steeped, or the soil well verized and pressed upon them, fail to grow for nt of moisture. Hence, in sowing orchard grass. s found prudent to spread it upon a floor and inkle it with water, before it is sown, and to pass oller over the ground after the seed is sown; and tee, in light garden mould, it is abvisable to ess with the hoe or spade, the earth upon all ht seeds after they are sown."

On Sowing Flower Seeds,

DAVID THOMAS, an experienced and very sucsful Florist remarks :- N. G. Far. Vol. 1, p. 56 For large seeds like the Bean or the Pea, a arse soil is well adapted, as they can force their y to the surface from any moderate depth; but all seeds require different treatment; and we it down as a safe rule, the finer the seed, the er should be the soil.

How does Nature, exemplifying Supreme Wism, sow her most delicate seeds? She scatters m on the shady ground, trusting to the rain or frost to cover them, (of course slightly,) and y germinate before the sun has acquired power

enough to search them. The dust-like seeds of the with their journey to the surface, which they never Orchis and Cypripedium sometimes grow in beds of damp mos-

Concuon garden loam, whother clayey or sands s much improved by a dressing of vegetable earth from the woods, well mixed before planting. prepared in the preceding autumn, and pulverized

by the frost, all the belter.

Such a soil is tavorable to seeds of almost any kind, but essential to the finer and more deliente sorts. The preparation of the soil alone, however, is not enough. Fine seeds may be smothered if covered more than from one eighth to half an inch deep; and their short roots may be purched if exposed to the sun except in morning and evening. To a fine soil, therefore, we must add the protection of shade, and in time of drought, a regular supply of moisture. It the seeds are sown in an open border, a sprinkling of water in the evenings is best, but earefully abstain from applying so much as will bake the ground."

On Preparing and Sowing Onion Seed.

W. RELEX-(N. G. Farmer, Vel. 2, Page 38.) says,

" First, souk the seeds in water from six to twentyfour hours-some seeds being slower to admit moisture than others, is the difference in the time required. After soaking, drain off the water, and mix the seeds with a sufficient quantity of earth to absorb the mois ture remaining on the seeds; stir them often that they may vegetate evenly, and keep them in a moderate degree of warmth and moisture untill they are sprouted, when they are ready to put into the ground. If the weather should be unfavorable, put the seeds in a cool place, which will check their growth.

It was left in that situation until the time of sowing. In April, as soon as the soil was sufficiently dry, the ploughing was commenced, and the second day, at night, the sowing was finished, with seed prepared as before stated. In one week the onions were up, rows were soon visible nearly twenty rods, and no weeds yet appeared. The operation of stirring the soil with rakes and hoes was then commenced, and the weeds were not suffered to grow during the suormer. (It is a mistaken notion that it is not time to hoe a garden until it is green with weeds) The first of September the onions were harvested, and the product was over two thousand bushels of fine onions from two and a balf acres.

On Soaking Mangel Wurtzel Seed.

J. Rapatizer says, (N. G. Farmer, vol. 1. p. 149.) I prepared half an acre of land for Mangel Wurtzel, and obtained the seed from your agent at Canandaigun. After soaking the seed one day, I commenced sowing; but rain came on, and the soil being rather clavey, it was a whole week before I could sow the The seed was soaked all this time, and supposing it was spoiled or injured, I sowed it thicker than usual, and had not enough to finish the ground. Accordingly I sent to the same place and got more seed, and sowed the remainder without any soaking ; so that part of my ground was sown with seed soaked one day, another part one week, and a third part not nt ali.

Now for the result :- The part soaked one week, came up first, and much too thickly ;-the part soakcalme up that, and made a color thinly; while ed one day, came up slowly and very thinly; while the part not sosked, did not come up at all. showing conclusively, the necessity of thoroughly sosking these seeds and the little danger there is to be apprehended from sosking too long. I am confident that inattention to this subject, is the most frequent cause of the failure of the Mangel Wurtzel and Sugar Beet seeds.'

WILLIAM GARBUTT, (N. G. Far. vol. I. p 20) says, "Much complaint is sometimes made of Mangel Wurtzel and Sugar Beet seed failing to grow. These seeds are not quite as sure of vegetation as some kinds; still, if rightly prepared, and sown when the ground in in good condition, before the weather becomes too dry, they will very seldom fail. The seed should be soaked in soft water, standing in a warm place, for three or four days before sowing. The shell of the seed is very hard, and requires a long time sonking for it to become softened so that the germ can hurst it open. I have sometimes known it fail sfter being soaked, owing to late sowing and dry wenther.

Planting too deeply.-In vol. 1. p. 97, W. R. Smith states that he " planted half an acre of Mangel Wurtzel with two pounds of seen from the recently Seed Store. In a few days some scattering plants Well, Wurtzel with two pounds of seed from the Rochester made their appearance, * * Well, nearly two weeks after I was surprised to find a lair number of plants just peeping through, and from their weak and thin appearance, evidently wearied flowers was displayed? We trow not?

could have reached, if the soil had not been light.

Another correspondent (p. 121) says "I purchased in the spring, at the Rochester Seed Store, a small mantity of mangel wurtzel seed. Some of them I planted myself, and the ground being dry, I put them m about three inches deep, being resolved they should grow. Another portion of them I left for my hired man to plant, who, I ascertained, put them The first ennic up rather thinly, although abundance of seed was used; and the second searcely grew at all. As some of my neighbors had been equally unsuccessful, the conclusion necessarily followed that the sceds, if not the venders, were no butter than they should be.

Having some seed stell on hand, and a little more vacant ground, after a rain I concluded to plant the remainder; but working tather in despair than in hope, I buried them only an inch deep, dropping them by the line without making any lurrow. The nearly by the line without making any turrow. was they came up as thickly as could be expected from the best of seed with the best of culture. I concluded it must be rather a difficult business to pursue, where one's horesty was thus established merely by accident; and that before condemning others, we should be careful that we ourselves had done our part for insuring success."

Pursnip, Carrot, Celery and Pursley Seeds are all slow to vegetate, and, it sown late and dry weather succeeds, they will not often come up. These seeds should be sown early, in flue soil, rolled or pressed down and kept moist. Mr. Geo. Sheffer of Whestland, raises large quantities of carrots for feeding. He soaks the seed 48 hours, then rolls it in plaster, and when sown covers it from one half to three quarters of an inch deep.—(N. G. Far. vol. 2, p. 181.)

Cucumber, Melon and Squash Seeds, seldom lose their vitality by age or otherwise, but when sown they often fail to grow, owing to the ground being cold or wet. These, and some other seeds, will inva-riably rot if sown too early—before the ground is sufficiently warm. Lima Beaus and Sweet Corn often full from the same causes.

Egg Plant Seed will not vegetate in the open ground-it requires a good hot-bed.

Locust Seed must be thoroughly scalded, by pouring on boiling bot water and letting it soak 24 bours.

The Love of Flowers.

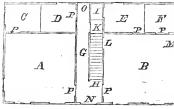
"Who does not love a flower? Its hues are taken from the light Which summer's suns fling pure and bright In senttered and prismutic hues, That smile and shine in dropping dews, Its fragrance from the sweetest air .-Its form from all that's light and fair,-Who does not love a flower?"

"Flowers, of all created things, are the most innocent and simple, and most superbly complexplay things for childhood and ornaments for the grave. Flowers, beloved by the wandering idiot : and studied by the deep thinking man of science! Flowers, that of all perishing things are the most perishing; yet, of all earthly things are the most heavenly! Flowers, that unceasingly' expand to heaven their grateful, and to man their cheerful looks-promoters of human joy, soothers of human sorrow; fit emblems of the victor's triumphs, of the young bride's blushes-welcome to crowded halls, and graceful upon solitary graves! Flowers are, in the volume of nature, what the expression, "God is love," is in the volume of revelation,"

"The taste for flowers, every where increasing smong us, is an omen of good. Let us adorn our perlors, doorways, yards and roadsides with trees, shrubs, and flowers. How delightful they sppear to the passer by. How favorable we think of the person whose yard and garden is decorated with shrubs and flowers. When we view a dwelling, the doors and windows of which are adorned with flowers, we associate the females within with all that is neat, gentle, pure, charming, levely and refined. Saw you ever a coarse, ill bred, nwkward family, where a taste for

A Cheap and Convenient Farm Cottage.





REFERENCES.

- Parlour 14 by 14 feet. Katchen 14 by 14 feet. Α.
- Bed-room off parlour, 9 by 7 feet. Bed-room off hall, 9 by 7 feet.
- Bed-room off kitchen, 9 by 9 feet.
- Buttery, 9 by 5 feet.
- G.
- 11
- Hall, 6 feet wide. Starrs,—length, 34 feet. Clothes room off kitchen bed room.
- ĸ. Clothes room off hall.
- Door to cellar stairs.
- Dur to wood house.
- Front door.
- Back door.
- P. Inside doors.
 Width 23 feet-height of posts 12 feet.

Mr. Corston-

A goodly portion of your readers are like myself, yet the tenants of primitive log cabins, of which perhaps, coming as you do from one of the oldest states, you are not aware. We are looking forward to the day, however, which shall see us comfortably settled in snug convenient houses, and as the busy note of preperation is already sounded by some of my brother farmers, I have thought perhaps, that a plan of a cheap and convenient farm house might be acceptable; and if your opinion coincides therewith, you are at liberty to serve it up to your readers. It will be observed from the plan above, that there are no fireplaces in this house. Stoves, both for parlor and kitchen, have now come into such general use among farmers, and cooking stoves are now brought to such perfection, that fire-places have become in a manner unnecessary. The chimnies are built upon the chamber floor; and in preparing the frame work of the floor, the part upon which the chimnies rest should have extra firancess, so that it may not settle with their weight. The stove pipes from the lower rooms pass through the chamber floor, and thence by an elbow into the chimnies. Should a fire-place be wanted in the kitchen, one may be constructed with some additional expense; or, which would be preferable, a small room might be finished in the end of the wood-house, adjoining the kitchen door, with a fire-place and oven in it. The cost of this house finished in a plain, neat, substantial manner. built of wood, would be, in the county of Wyoming, N. Y., about \$700.

It is a gratifying fact, and one which every observing traveller will notice, that much improvement has been made the last few years, in the construction of

the place of the overgrown meeting house style, which has so generally prevailed. Still great errors are often made by farmers in building, and perhaps not the least, is too great an expenditure upon a dwelling house, while the other buildings of the farm, and indeed the improvement and cultivation of the soil are neglected. An instance came under my observation last summer. In passing through Cayuga county, a splendid brick edifice met my eye in the distance, and the thought struck me, that the owner having brought up his soil to the highest pitch of cultivation, and having his barns and out buildings extensive and convenient, and his fields all secured by ample, permanent and handsome fences, had appropriated six or eight thousand dollars, for the want of other use for the money, upon a dwelling house. But upon arriving in front of the elegant mansion, I was sadly disappointed. Bad taste, disorder, and slovenliness filled up the picture; barns and out houses miserably arranged and dilapidated; crooked and rickety rail fences on the road side in a state of advanced decay; and last though not least, an extensive and thrifty crop of Canada thistles upon either side of the road, promising soon to occupy the ground to the exclusion of every thing else.

In the midst of all, behold the splendid monument of the folly of the man who would allow so many thousands to be swallowed up in that stately pile of brick and mortar, instead of applying it to the improvement and cultivation of his soil; in the latter case yielding him a rich return, in the former, remaining totally dormant and unproductive.

J. HORSEFIELD.

Castile, N. Y., Feb. 1812.

Remarks on the above.

We give above the plan of our correspondent not that we doen it the best which has been or can be contrived. but because it is certainly well contrived, and embraces many conveniences for the extent of land which it covers. The height of posts should be 11 instead of 12 feet, and thus making the lower story 10 feet, it would give four upright feet in the chamber. We protest against bed rooms not larger than 9 by 7 feet. They ere inconvenient and unhealthy; and liable to many objections in case of sickness. A bed room should never be less than 12 by 12 feet. By widening the house and lengthening it a few feet, and by adding to the height, which may be done without increasing the extent of the roof, the house would be rendered much more convenient, and the expense not greatly increased. We would by no means give up the plan of a chimney in the kitchen, which, if necessarily closed in winter for the purpose of using a stove, should by all means be open in summer for the purpose of ventilation. when the cooking stove should be transferred to a shed. or to a temporary out-building, if no other convenient place offered.

We are of opinion, likewise, that one window, perhaps as large as one and a half of those described on the plan, or it may be larger, would be more economical and handsomer than two, as put down. About matters of taste, however, there is no occasion for dispute.

The plan, furnished by our correspondent, we are glad to publish on another account, as all such elever plans, if not exactly what any one wants, suggest valuable hints and arrangements to be worked up by other minds according to their convenience.

A plan of building has recently come under our notice, which promises to be economical, substantial, and comfortable. We will describe it. The window frames and door frames are to be first made. The undeminning or cellar wall is then carried up for the reception of the sills, which are to be laid. Strips of boards, in the rough, of an inch in thickness and about I or 5 inches in width, are then laid one on the other, to break joints and to cross or lap at the corners. In thumb. It is, however, more effectually removed

farm houses; the neat, snug, convenient cottage taking this way the wall is carried up the desired height to re ceive the plates, upon which the garret floor and the rafters for the roof rests. The boards, which are use in this case, may be of any quality, common hemical or spruce, which should be sawed accordingly, wil answer equally well as the best of pine. The wall be ing thus carried up, is prepared to receive a coat of lim plaster on the outside, which should be sanded or grav elled; and on the inside it may be plustered direct! apon the wall without lathing, and whitewashes That the surface may be suitable for the plastering both inside and out, the boards composing the wall should not be laid exactly even, but alternately project ing or receding in a slight degree, by which means th mortar will adhere strongly. Such houses are perfecly secure against vermin in the walls; they are substar tial and as strong against the wind as any frame houses there are no crevices in the walls to admit the air; an they are soon put up, and built at a small expense Our remarks in this case apply to wooden houses. (building with stone and brick we may speak at a mor convenient time. We agree with our corresponder entirely as to the folly of wasting a large sum of mone in a large and expensive house, before the farm itself i put into the highest and most productive condition Yet no error is more common. It may be laid dow as a well-nigh established truth, that no man know how to build who has not built.

Winter Butter.

Every person at all familiar with making butter i winter, is aware of the difficulty attending it. Butte made at this season, is generally deficient in cole and flavor, is white, crumbles, and not considered ! for the table. This arises partly from the cows bein kept, as they generally are at this season of the year exclusively upon dry food, and partly from not rightl managing the milk.

In the statements of Mr. Merrifield, who took th 2d premium for butter at the late meeting of the State Agricultural Society, he says-"In winter, or milk stands 12 hours, is then removed to the stoy and scalded over a slow fire to near boiling heat; th pans-removed to the cellar to cool; the cream onl charned; the butter placed in the coolest part of the house, will keep good any length of time." His bu ter was much admired for its color and flavor, but should think the scalding process rather tedious at tranblesome.

In the 7th edition of " Moubray on Poultry, &c. I found the following, which struck me favorably, at I was determined to profit by the bints.

"A peculiar process of extracting cream from mi by which a superior richness is produced in the crear has long been known in Devonshire; this produce the dairies of that country, being well known to eye one by the name of 'clotted' or 'clouted ercam.' I there is no peculiarity in the milk from which th fluid is extracted, it has been frequently a matter surprise that the process has not been adopted in oth parts of the kingdom. A four sided vessel is forme of zinc plates, 12 inches long, 8 inches wide, and inches deep, with a false bottom at one half the dept The only communication with the lower compar ment, is by the lip, through which it may be filled emptied. Having first placed at the bottom of the upper compartment a plate of perforated zine, the ar of which is equal to that of the false bottom, a galle of milk is ferced (immediately when drawn from the cow) into it, and must remain there at rest for twelhours; an equal quantity of boiling water must the be poured into the lower compartment through th lip; it is then permitted to stand twelve hours mor (that is twenty four hours altogether,) when the cream will be found perfect and of such consisten flatwise, and nailed through and through, taking care that the whole may be lifted off by the finger at

ttom by the ringed handles, by which means the nole of the cream is lifted off in a sheet, without mixing any part of it with the milk below. With is apparatus I have instituted a series of experi ents, and as a mean of twelve successive ones, I obned the following results:-4 gallons of milk, ated as above, produced, in twenty-four hours, 43 ats of clotted cream, which after charming only fifin minutes, gave 40 oz. of butter-4 gallons of milk ated in the common mode, in earthen-ware pans, d standing forty-eight hours, produced I pints of am, which, after churning ninety minutes, gave oz. of butter. The increase in the quantity of am, therefore, is 124 per cent., and of butter 11 r cent."

From the above hint I caused a pan to be made ee inches high and very flaring, and another made inches high and just large enough to receive the er pan, and then carefully soldered together at the Two tubes were affixed, one an one inch in dieter, the other quite small, as it is only intended to off the air when the hot water is introduced on the posite side through the large tube. The annexed cut will perhaps convey a better idea of the pan. The dotted lines showing

The following are the results of my experiments:

the inside pan.

EXPERIMENT 1. Strained 11 lbs. of milk, fresh wn from the cow, into the pan, and after standing ilva hours, put four quarts of boiling water into the er pan and secured the apertures with corks irty six hours after, the cream was carefully taken being very thick and tough, and of a fine yelish color. Twelve hours after it was churned with soon, which occupied seven minutes, and produc-5 oz. of butter.

EXPERIMENT 2. The same quantity of milk was into the same pan, and after standing twelve hours, quarts of boiling water were introduced, and sufd to stand twenty-four hours, when it was skiml and immediately churned, which took eleven utes to convert into butter-produce 6 oz.

XPERIMENT 3. The same quantity of milk, fresh wn from the cow, was put into the pan as before, suffered to stand twelve hours, four quarts of ing water were then put into the under pan, and r standing twelve hours it was carefully skimmed, twelve hours afterwards was converted into butter ne minute-produce 7 oz.

Ve now put the three parcels together, and after ig well worked, they weighted, with a common of steelyards, 11 lbs., being a fraction less than nuarts of milk to produce one pound of butter; to be remerked, however, that the milk was taken a two year old heifer, and the difference in the ntity of the butter when acparate, or put togethnay be accounted for by the difficulty of weighing mall a quantity with the steelyards.

XPERIMENT 4. Strained 11 lbe. of milk, fresh n the cow, into a pan of the same size as above, after standing thirty-six hours, it was carefully nmed and the same process as before adopted to vert it into butter. After dilligently working at it ane hour and an half, it "was no go," or in dairy gunge, it would not "come," We then tried to x it by adding a small quantity of cold water ; then I warm water, but it was of no use. It was then by for twelve hours, when it was tried again, and r working at it for half an hour, gave up in dis-; "come" it would not, and so we cancluded to t "go"-to the cock.

'wo other experiments were tried, on the "high aure" or hot water principle, which resulted about same as Nos. 2 and 3, except the time consumed

utly raising the perforated plate of zine from the in churning-one being four minutes and the other by the temperature of the weather.

> From the above experiments, I am well satisfied of the utility and advantage of the process, and have no doubt but a great enving may be made and good butter produced, even in the coldest weather. I would suggest an improvement in the pans and a saving in expense; besides considerable trouble in washing and drying the pans. Let the under pan be made smaller in diameter at the top, so as to strike the other about one inch from the top, and fit tight, so that the steam will not escape-after putting in the hot water set the pan containing the milk into the other. By this means, they being separate, can be washed and dried without difficulty.

. Butter is one of the staple productions of our state, and every hint that serves to improve ita quality or increase its quantity must be useful. There are various methods of making butter; and there is certainly a vast difference in its quality. One cause of this difference may be in the herbage or food upon which the cows are fed, the breed of the cows, or the season; but most generally in the management. Every one thinks their own method the best, and feel too wise to learn, and sucer at the idea of Philosophy or Science having any sort of connexion in this humble branch of domestic industry.

A writer in a former volume of the N. E. Farmer says, in regard to the color and flavor of butter, " to correct both these evils, take lour yellow carrots, of about 12 inches diameter, to cream enough to make ten pounds of butter, and after washing them, grate and cover them with new milk, and after they have stood ten minutes squeeze them through a cloth into the cream, and the effect has been to make the butter to come quicker, and give it the color and sweetness of May butter. Mrs. B., who sits at my elbow, suggests, as an improvement on the above, to give the carrots to the cows in sufficient quantities, and readily believes that carrots used in that form, will impart a fine color to butter and add even a rich flavor-that substance and not the coloring matter must be required to give much flavor.

C. N. BEMENT. Three Hills Farm, Feb. 1842.

Remarks on the above.

We are happy to publish the above communication from our friend Bement. We like it the better bacause it comes from one who knows what good butter is; and is written with a certain lady at his elbow, who sent to Boston the last year a parcel of butter which was among the best seen in that market.

The pans which he describes we have seen in use in one of the best dairies in Berkshire county, where they are much approved. His experiments are valuable, though we should like a little more exactness in weighing. The process of heating the milk, as may be seen by an article in our last from a fair correspondent, is not new: but the hest contrivance for scalding it that we have seen is, where a vessel was used. large enough to contain six pans, and about eight inches deep, so that they might be set in three or four inches of water, and this vessel with a copper foot or shoe to it, with which the water communicated, and which was put into the side of a stove over the fire, so that the water in this way might be easily boiled. This vessel had a wooden cover and thus the milk was heated in this water; and as soon as the bubbles rose upon it or the fixed air began to escape, the milk was removed into the dairy room to throw up the cream. This was less trouble, we think, than using the double pans, which Mr. Bement describes.

We have seen as tine and delicious butter made in winter as in summer, but not upon clear hay. There is reason to think that the color of butter depends somewhat upon the cow, somewhat upon the place form better heads, while if lateral ones are che-

where it is kept, and much more upon the feed of the seven minutes; the difference was caused, probably, animals. We agree entirely with Mis. B., with Mr. Bement's leave, that the best mode of coloring the butter with carrots, is to give the cows the carrots and let them mix the dye.

We know that with chough of these and some Indian meal and clover hay, yellow butter and butter of a tine flavor may be made as well in winter as in suntmer. We shall take up this subject hereafter when we have more foom.

Mr. Bement was foiled in one case in attempting to make his butter come where the milk had not been heated. We have now on our table a letter from a subscriber begging us to give her a reason for just such an occurrence. We recollect many such a weary churning in days gone by. We might look wise and say very learnedty in the case that it was undoubtedly owing to the temperature in which the milk or cream was placed; but this explains nothing. Here we think chemistry has a real and useful work to perform. But with present information, the only reason we can give why the cream in such case will not come is that of the woman, if it is not an impeachment of the sex to suppose such a case, who would nei her be coaxed not driven. "I went; why? cause I went." We don't know every thing, though we begin to think we ought to, from some inquiries that have recently been put to us.

House Plants.

Are an article in whose culture, to our shame be it said, we have never had much experience. Yet we do admire them-vastly and sincerely love them and wherever we see their cultivation, we must in spite of ourselves and the little prejudices which sometimes intrude themselves upon our feelings, entertain kind and charitable feelings towards the indwellers. What cheerfulness they present in the gloom of winter, when the world without lies sorrowing under the influence of decay and the elements are heaved in commotion by the rocking storm? Then they lift their bright smiling heads and remind us of summers past, and awaken strong hopes and bright expectations of smiling suns and flowery scenes in summers to come. For so much pleasure as they afford, they require but little attention, and this little time, if not emplayed in their behalf might be much worse spent. We know of young ladies who spin their full two runs of street yarn every day in investigating the affairs of the neighborhood, merely to furnish the petty woof of scandal, who might be much more agreeably employed with a favorite geranium or rose, (if no new novel was at hand) and less to the annoyance of community. And young men, too, who by this harmless employment a few minutes each day, would render service to the world which ought to be appreciated.

The propagation and culture of house plants is very simple and easy in the process. Though cach variety may require a somewhat different soil to succeed well; yet as a general rule, a mixture of pond-mud, sand and common soil, about one third of each, answers a good purpose. We have found mould taken from the woods and from around roots of trees blown down, where the soil is considerably mingled with sand, to be very useful. Some, require almost a pure sand, and in putting out slips this is probably valuable, as it is loose, allowing the feeble roots to strike freely, and lets off the superfluous water which is often injurious and fatal to the young plant.

In selecting slips for putting out, the beauty of the plant will be more effectually secured by taking those of upright growth. Such rise higher and

en, a bushy unseemly plant may be expected. Pruning should be carefully attended to, both as regards the top and roots. The top may be pruned into any form to please the fancy. Pruning the roots is a matter of much importance, both as respects the growth and the flowering of the plant. We have a beautiful and varied Pomegranate, which in 1840, gave so few flowers that we found that if some expedient were not adopted, it would be of little value. In the autumn of that year, we took it out of the box and found that the roots had increased so much there was no more room for them to grow. We took away about one half of them and replaced it in the box with new earth. In the spring of '41, the leaves and new wood came out vigorously. In June it commenced blossoming, and notwithstanding the dry season and frequent neglect of watering, (it is a thirsty plant,) it continued in full bloom until September, producing hundreds of its large elegant crimson blossoms. We last fall pruned a sickly Geranium in the same way, and a like good effect was produced. This root pruning should be performed when the plant is not growing, and it should be kept shaded for a few days until the new roots begin to strike. Mount Osccola, Feb. 1842, W. B.

Agents for the Rochester Seed Store.

A general assortment of seeds, from the Rochester Seed Store, may be found at each of the following places. Subscriptions will also be received there for the " New Genesee Former and Gardener's Journal. Buffnlo W. & G. Brynnt. Lockport......S. II, Marks & Cu. Albiun.....C. W. Swon. Batavia.....J. V. D. Verplanck. Attiea.....R. & N. Wells
Perry....L. B. Parsons & Son. Mount Morris...... Sleeper. Geneseo J F, & G. W. Wyman. York R. H. French.
Geneva. Van Brunt & Son.
Waterloo Abrain Douel.

Palmyra. Hoyt & May. Utica J. E. Warner. OswegoD. Canfield. Hamilton....t. A. Mott.
M. B. BATEHAM.

Rochester Seed Store, March 1.

MR JOHN NORVAL is Agent for this paper, at London,

Mulberries for Silk, and other Trees.

Mainderfres for Silk, and other frees.

M.R. PRINGE offers for sale at the Lannacia Garden and Nurseries, 100,000 Mulberry trees of the linest kind, for the silk Culture, at \$30 per thousand, and at a credit that will enable the purchaser to pay for them out of the silk produced.

the silk produced.
They consist of the splendid new Circassian, Multicaulis, Expansa, Ellata, Alpi e, Moretti, and Broussa varieties, ido, the usual immerne assortment of FRUIT AMD ORNAUENTAL TREES, and Strubbery, Green-hous Plants Balbous Roots, Splendid Dahlias, and Garden Seels? The new Catalogues, with very re-laced prices, will be sent, grafts, to all wito apply, post-spaid, and on all orders enclosing cash or a draft, a dissoont of the recent will be allowed. Flushing, near New York, Merch 16, 1842.

Fruit and Ornamental Trees, Shrubs, Green House Plants, &c. &c.

THE subscripers are prepared to execute all orders for A. Fruit and Grunamental Trees, Flowering Shrubs, Green House Plants, Bolloons Flower Roots, Donde Induits, and all other articles in the Nursery line, on the most moderate terms. Persons who are bont establishing new Nurseries, or wish to act as agents for the sale of any of the above articles, will be very liberally dealt wills, and all such are reputsely to communicate their intentions to us immediate.

Where several persons in the same neighborhood, are teles, wil be very liberatty dens warn, not on immediate-repused to communicate their intentions to us immediately. Where several persons in the same neighborhood, are devious of procuring trees, they wil do well to unite their orders, and let one person forward them, to whom a deduction of the cent wilbe made in all cases where the whole planting in the ensuing Spring should transmit their orders as soon as possible, so that they may be forwarded in due season. All orders must be accompanied with eash or a statisfacture preference in Rochester or vicinity. Priceal Catalogues will be -entigrates to all applicants.

Address (Post Pail) — ELWANGER & BARRY, Mt. Hepe Betaule Garden and Nursery, Rockester, N. Y.

Sale of Improved and Thoroughbred Sheep, &c Sale of Improved and Thoroughbred Sheep, &c. WILLbe selb by Antoin, at Waveth Farm, near Drum-Wille, U.C., on Thursday, the 28th of April, WO RAMS and FOUR EWES, (the latter are expected to have lambs by their side). Some were improved, and others held from such They are a cross of the improved Keuls, Cotswolds, and Leicesters, are very high bred, and to presons destrous of breeding the largest sheep with fine wood, they may prove a valuable acquisition. Also, will be sold, some very superior pick, two horses, tresh mike c.ws, together with turning implements, the proprietor leaving that the commence at 10 of other. April 1, 1842,

To Farmers and Graziers.

To Farmers and Greziers.

This subscriber, being about to dispose of his farming Introduced by the subscriber of the subscriber of his farming improving their breed of rattle in offering for sale his celebrated Devonshire Bull. "Lord Western," coming four years old in May next. This heuntiful animal was purchased by himself of Mr. Davey, of Fenton, the most distincted by the subscriber of Mr. Davey, of Fenton, the most distincted by the subscriber of the subscriber in the country, and the subscriber of the subscriber in the country, of of Mr. William Garbutt, of Wheatland, Mr. Radley, of Statford, or at the office of the subscriber at Roanoke. a or Mr William Garnitt, of Wheatland, Mr. Radiey, c taiford, or at the office of the subscriber at Roanoke, Roanoke, April 1, 1842. SAM VERNON.

VOLUMES 1 & 2 of the New Genesce Farmer, bound to-V gether, are for sa e at the Seed S ore, and its agencies, urlee \$1.50.

GOLD VINE PEAS—A fine yellow field variety of peas, that are not liable to mildew, for sale at the Seed Store, Also, Marrowfat, and choice Early Peas, by the bushel

FRUT TREES.

THE subscriber is now prepared to furnish in large or small quantities, the fluest varieties of Fruit Trees. Flowering Shrubs, Herhaecous plants, Bulhous Flower roots, Double Dahlas, Green huse plants, &c. &c. Also, GARDEN SEEDS, raised by the proprietor at the Rochecter Seed Garden, and put up in howes or packages to order; all of which are warranted genuine as represented, and of the prefer quality, with he promptly attended no overy liberal terms, when accompanied with each or satisfactory references.

tory references.

Selections will be made by the proprietor, when requested C. F. CROSMAN.

Rochester, Feb. 1st, 1842.

PARMS.

FOR SALE, on a long credit, a farm of 50 acres—10 acres
improved—with a good house and barn upon it, in the
town of Ridgeway, vireaus Co. Also a farm of 110 acres—
70 acres improved—with two houses and a barn upon it.
North Clareace, Erice county. Apply to Wm. R. Montgonery at his office, or to
11. 90NTGOMERY,
Rochester, Feb. 7, 1842.

No. 41, Spring-st.

CLOVER AND TIMOTHY SEED.

OF the best quality, free from foul seeds. For sale the Seed Store. M. B. BATEHAM.

Valuable Works on Hortfeulture and Agricul-ture. Just received by Rail Road, from Otis Broaders & Co. publish-

Just received by Ratt Road, From Otte Broaders & Co. publishers, Boston

THE NEW AMERICAN. ORCHARDIST; or an account of the most valuable varieties of FRUTY, of all climates, adapted to cultivation in the United Sates; with their listory, modes of coture, management, uses &c.—With an appendix on vegetide es, ornamental irres, shrubs and their listory, modes of coture, management, uses &c.—With an appendix on vegetide es, ornamental irres, shrubs and the New Lands Reuters. This edition, enlarged.

THE NEW AMERICAN GARDENER; containing practical direct ons on the endure of Furns and Vegetides, including Loudscape, and Ornamental Gardening, Graperines, Struwberries. St. & &c. By Thomas J. Freskner. editor of the New England Farmer. Fourteenth edition.

The New American Sate of the most important branches of Agriculture and rural Economy, by Thomas G. Freskners. Fifth edition, revised, improved and carged.

The above three hooks uniformly bounds, is beautiful style—price 51, cach—are for sale at the Roches'er Seed Store and its agencies;

March 184.

March 1st.

GENESEE NURSERY.

THE subscriber has constant y for sale at his Nursery on I Main street, one mile Last of the Bridge in Rochester, achieue se cision of Apple Trees of large size, warranted of the kinds represented, embracing about 10 of the best varieties for Summer, F. II., and Winter use, price 25 ets. per tree, a liberal discount to those who may purchase in large duanties for relating; order from a distance containing remilities for relating; order from a distance containing remilities. tances or good city references, will receive prompt attention, and the trees will be slopped or delive ed as directed. Also a few Peach and Locust Trees for sale.

ELECTUS BOARDMAN

The above Estab ishment has been carried on in this town

THE subscribers have just received a large lot of the above mentioned Lamps, and would invite the attention of farmers, mechanics, and others who wish an article from which the cheapest light may be obtained from the word Lard. They burn well, and in a great wea-ure are doing away the use of oil. For economy they are not surpussed, and are worthy the trial of every domestic economist. To be had at No. 3, Exchange-st., at wholespie or retail.

EBENEZER WATTS, & Co.

Rochester, March 1st, 1812.







New Arrivial from England,
JUST recived from London via. Botton, a large assor
Just to secule of the growth of 1841, cultiracing a fasupply of all kinds of Cabbage, Can indower, Broccai, atish, Turnip Ac. Genuine Purple top Ruta Baga, long re
Mangel Wartzel, white Dutch Cluver, a choice lot of Flows Hangel Wurtzel, winter Duten Charles, while Catalogues eeds, and a multitude of other things—See Catalogues M. B. BATEHAM.

ROCHESTER PRICES CURRENT. CORRECTED FOR

NEW-YORK MARKET-March 22.1

Ashes-None of any consequence coming in ; sales Ache-None of any consequence coming in; sales 6,75 in the retail way. Flour—Is a little firmer to-day. Sales of common b#a it 6.25, and some holders ask 12 cts. advance. Grain—Corn has declined. Sales at 56 cents. Rye if fered at 69 cts., which is a decline.—[Express.

BUFFALO MARKET-March 21.

Flour \$5,25, pork \$3 per cwt., beef \$2 a 3, corn 50 oate 3ic, salt \$1,50, apples 50c, hay \$12. Wheat is quir none."

CONTENTS OF THIS NUMBER.

Monroe Ag, Society. Gardening Rolling and Harrow-ing Wheat in Spring. Value of Root Crops. Reme-dy for Choked Cat le. Hereford and Durnam Cattle. uni Wheat in Spring. Value of Rooutops. Remody for Choked Cat le Hersford and Duram Cattle. Farm School.

Correspondence—Letter 1st. On Scientific Agriculture. Culture of Broom Corn. The Tomato.

Home Indostry, and the Tariff, now Green, Holden-Home Indostry, and the Tariff, now Green, Holden-Herrics. Munificent Domation.

Interesting Report of the Commissioner of Patents—Corn Oil—Sugar from Corn Stalks—Oil from Larm and Castor Beans—Silk—Statistical Tables—Agricultural Patents. Sugar short of the Commissioner of Tour Oil Ford Larm Castor Beans—Silk—Statistical Tables—Agricultural Patents. Sugar from Corn Stalks—Oil from Larm Corn College Comparison of the Devon and Short Horn Cattle. To mate Office Comparison of the Devon and Short Horn Cattle. To mate Office.

mato Figs... On the Culture of Hemp-Letters from John Wilson

Zelia... Remarks on Seedsmen-Sowing Seeds and Causes of

From the Power-Press of J. I. Reilly & Co.

B. BATEHAM, Proprietor.

VOL. 3.

ROCHESTER. MAY, 1812.

HENRY COLMAN, Editor.

PUBLISHED MONTHLY. TERMS,

TFTY CENTS, per year, payable always in advance, ost Masters, Agents, and others, sending current monroe of aostage, will receive senen copies for \$3,-Timice estor \$5 .- Twenty-her comes for \$10. age of this paper is only one cent to any place a state, and one and a half cents to any part of

e United States. Address M. B. BATEHAM or H. COLMAN, Rochester.

IF For Contents see last page.

EXPLANATION. - Mr. Colman has of necessity been sent during the last half of the past month, for the upose of closing some business in Massachusetts d removing his family to Rochester. He is expectto return about the 15th inst.

For the New Genesce Farmer. The Mild Winter and Early Spring.

It has been observed that mild winters have occurred regular distances of 26 years, as follows:-1686, 12, 1738, 1764, 1790, 1816, and 1842. The mildness last winter was a subject of constant remark, parsularly among the farmers, who observe the peculiaris of the seasons with more interest, perhaps, than ny other class of citizens. This led me to compare e monthly temperature of the corresponding months the last three winters, viz: 1810, '41 and 'L

Dec. 1840, monthly mean, 45,37 deas 1811 2300 1840, 19.45 Jan. 1811, 44 27.91 1812 29 11 Feb. 1840. 32.17 21 :7 1811 4; 1819. 11 31.03

he mean temperature of the winter 1811, 25,86 deg. 6 4 1312, 30,40 4

The mercury in the Thermometer did not fall to ero last winter; the lowest, Jan. 24, being 5 degrees bove zero.

Farmers, I think, will recollect how exceedingly old the month of March was, 1841,-mercury five egrees below zero, the 17th; ten degrees lower than t any time last winter.

March, 1841, monthly mean 28,95 degrees. 6 39,77 1842, 4.6

A difference of about 11 degrees. It will be observed that March, 1811, was colder

han either January or February, 1842. First ploughing, February 12th. Spring birds made their appearance much earlier

his spring than last. Robins, blue-birds and pigeons,

were seen March 3d. Frogs were heard, and the earth-worm came above the surface at this date. Bugs and flies were seen in the woods February 3d;

also, a grasshopper and musquetoes in the city.

Vegetation is also much earlier than last spring. Violets were in blossom Feb. 5th in the open garden; Lilacs and shrubbery leaving. One soft maple in blossom March 4th, and covered with honey bees, and many in blossom March 21th, also common clar; apricot in blossom. April 10th; peach and cowslip (caltha) 15th; plum, 19th; shepherds-purse, 20th; English cherry, 221; hard maple, shad bush, (Aronia Botry- 12th and 13th, but it is proposed to alter the time one team had, by the 23d, ploughed about fifteen acres

apium) and strawberry. 23d; currants, 21th.

Last year cherry and peach began to blossom May 21st: thus you observe that they are more that amonth earlier this spring; and so of vegetation generally Wheat and grass look very fine.

April 22d was a very warm day; the mercury in the Thermometer stood at 82 degrees in the shade, and 85

Note.-There was but little snow here last winter, but frequent rains, and some very heary thunder showers; the first Jan. 29th.

The quantity of rain and melted snow during the winter ending Feb. 1842, 5,78 inches; do. 1841, 1,27

The harbor at the mouth of the Genesce river was clear of ice February 1st, and the 6th the river was very high, from the melting of the snow on the southern hills. Last year it was uncommonly high March

METEOROLOGICAL OBSERVATIONS,

MADE AT THE ROCHESTER COLLEGIATE INSTITUTE BY L. WETHERELL, APRIL, 1812.

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	7	Loon	for el	ha fir	at hal	f mor	ոհ. 4	3.63 -	degree	eg.

Mean, for the first half month, 43,63 degrees. corresponding half, 1841, 34.90

Agricultural Fairs, for 1842.

The Mouroe County Agricultural Society will hold their annual Cattle Show and Fair at Rochester, on Thursday and Friday, the 13th and 14th of October next. (The list of premiums, by-laws, &c., will be printed and circulated as soon as they can be prenared.)

The Ontario County Agricultural Society have advertised that their Fair and Cattle Show will be held at Canandaigna, Wadnesday and Thursday, October

day and hold it on Tuesday and Wednesday, 11th and 12th, so as not to interfere with the time of the Monroo Society. (The list of premiums, by laws, &c., have been printed and circulated throughout the county.)

The Livingston County Agricultural Society will hold their next Fair and Cattle Show at Geneseo, on Tuesday, the 4th of October. (Preminm lists have been circulated.)

The Oneida County and Seneca County Societies have both advertised to hold their Fairs on Tucsday and Wednesday, October 11th and 12th, the same time as the Ontario county. It is greatly to be regretted that there should not be some mutual understanding among the Societies in the vicinity of each other, so that the days of their shows and fairs should not be the same. It would gratify many of the members to visit each others shows. In this way substantial good might be done and much pleasure given; emulation would become more spirited; the pleasant intercourse of farmers would be extended, and useful information imparted and received. This ought to be arranged at the meeting of the State Society by the different delegates. It is not too late now to arrange it by mutual consultation. There is still Flenty of time to oncolate actives (W. in. ad in our next to give a full list of the days and places of as many Societies as will send us the requisite information.) As far as it can be done, delegates should be sent from one society to another, to attend the Fairs, and thus strengthen and extend the bonds of good fellowship.

Cauliflower.

Our success in the culture of Cauliflowers until the last year, has been equal to our desires, and they are not very small when so good an article is sought for, and the failure of '41 we attribute mainly to worthless and defective seed, as from the first paper we sowed, only a haif a dezen vegetated, and from the second none at all, which gave us rather a limited supply of plants. The seeds of both papers, one of which wss Isbelled at an establishment in Chautauque county, were very shrivelled and imperfect, having the sppearance of being gathered prematurely, as we have no doubt they were. Now this is too bad. It is a down right outrage upon the public to offer even under hand and seal such seeds in market. The state of public mind is such, with regard to the culture of rare and delicious plants, that if some sort of success does not attend their exertions, their efforts will cease, and our seed establishments will go where the cauliflower seed we bought last year ought to have gone, instead of coming to market-to the bugs.

When good seed is obtained they are raised as easy as cabbages, will flourish on the same kind of soils and require the same culture. They are superior in taste and healthfulness to any of the csbbage family.

W. R. Smith of Macedon, Wayne Co., had a plough in full motion by the 4th of March, and one

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AGRICULTURAL ADBRESS.

We publish with pleasure the following valuable address, delivered February 1st, before the Cayuga County Agricultural Society at Auburn, N. Y., by David Thomas of Aurora. Mr. Thomas is well known to the readers of the New Genesee Farmer as one of its most frequent and instructive correspondents, and for two years a co-editor of this journal. We cannot say we assent to several of the positions taken in this address; first, because several of them relate to matters which are at present obscure and unsettled; and second, because some of them are not confirmed by our own observation and experience. But we do not like the address the less for this reason. We cannot be supposed, because we publish them, to endorse the opinions of our correspondents or of others. This we beg to say, once for all, is never to be assumed or inferred; but we do as little hold ourselves infollible, and are always desirous in all cases " to hear the other side." Mr. Thomas thinks for himself and has a mind of his own. We like him all the better for this. We should be sorry to have every body agree with us; or ourselves to agree with every body else. This would be very dull work; and put an effectual stop to all inquiry, and consequently to all intellectual progress. This would make the waters of life stagnant and putrid. They might be radiant and beautiful on the surface; out all their freshness and spirit would be gone, and who would wish to drink of them. We value books, discourses, sermons, addresses, &c., for two reasons; first, when they convey some useful knowledge or information; second, when by their original and independent thought, whether we acquiesce in their truth or not, they set our minds in vigorous operation. But how few are of this character, or any thing more than the stale repetition of matters, which every school boy has by rote. Waen an independent thinker, therefore, utters his convictions, be they ever so distant from our own, we always listen with pleasure; but when one of your parrota gets up, who never apread his wings nor ever learnt to say anything but what he heard other people say, and looks as grave as an owl, and then shakes his head as though there were something in it, and with wonderful parade of learning, informs us, for example, "that the light of the moon being reflected is not quite so intense as that of the sun, and that water is a fluid and the tendency of all fluids is to run down hill, and so on," we confess we are sorry to say that whether at home, or, if we must tell all, at church either, we are so overpowered with admiration or something else, that we have great difficulty in keeping awake.

Cayuga Co. Agricultural Society -- Address.

Geologists inform us that soils were chiefly derived from the wear and tear-the disintegration and decomposition of solid rocks. In some tracts of country, the soil is nearly identical with the rock that immedistely underlays it, or partakes largely of its nature; but such occurrences are rare in this country. Se extremely active was the deluge that swept over and rounded our highest bills, that many a square league of stony atrata was entirely buried by materials that dritted from other parts of the country, and which have no resemblance to the rocks they cover.

Favorably for the southern parts of our county, that deluge came from the north, sweeping over a limestone region, and depositing in its course over our barren state, the rich collection it had made. And here let us step to consider : if that flood had come in an opposite direction, bringing along the unproductive detritus of the mountains, instead of our fertile fields, and flocks and herds, we might have witnessed nothing more inviting than acrub oak plains, and a

few wandering deer.

Like other floods, however, its deposites were irregular, as its velocity was increased or retarded-as it whirled into eddies, or rushed onward in its course. Pure clay indeed, can scarcely be found in this formation; but all the varieties of loam, whether clayey, sandy, or gravelly, occur; and some deep beds of both

sand and gravel, are so pure as not to discolor the water into which they are thrown.

Such instances, however, are rare; and the grinding and mixing of so many substances by that deluge, have been eminently beneficial to our farms. soil is fertile, says Humphrey Davy, "that contains as much as 19 parts out of 20, of any one material or constituent. On the contrary, soils that contain mixtures of many things, are generally very fertile, provided that clay, lime, and sand, form a large share of the mass. When you see, therefore, old mortar, the sweepings of the smith shop, or leached ashes thrown into the highway, you may safely conclude that the owner is greatly in want of instruction. These are excellent manures, and permanent in their effects.

Perhaps some would ask, why are different things necessary to constitute a fertile soil? Allow me to onewer in the language of Dr. Jackson's Geological Report on Rhode Island: "Chemical science arranges all bodies as electro-positive, or electro-nega-The electro-positive are always the alkalme or basic substances, while the acids are always electronegative when brought in contact with matters of the positive class. If a soil is wholly positive or negative in its nature, it fails to be ferule; and when one power greatly predominates over the other, it is not in its most favored condition. Silex is regarded as an acid, and alumina, lime, magnesia, iron, and the alkalies, are its opposites.

According to this view, the soil may be considered galvanic battery. "It is rendered nearly says an eminent writer, "that manures act as a vast galvanic battery. certain. by the salts they contain, acting when brought in contact with the earths in producing galvanic currents, and of course stimulating the plants in their growth. On this subject, however, I give no opinion of my own, because I can comprehend much more clearly, the neutralizing effects of seids and alkalies, and the absorbent powers of the different materials. This view may regulate our practice quite as well as the former; and indeed there scems to be nothing discordant between them.

It is not many years since the existence of acid soils was denied, or overlooked. The talented editor of the Farmer's Register in Vinginia, was the first to point out the error or oversight; and the subject is now better understood. He furnished no evidence indeed of the presence of uncombined acid; but the circumstantial evidence was very strong and pointed; and in my judgment he furly made out his case. Since the publication of his "Essay on Calcareous Manures," other writers of great respectability, have either adopted his views, or furnished additional and positive proofs of their correctness

The question may occur, why is not an acid soil as fertile as any other? It is more fertile than any other for such plents as the Ked Sorrel; but not for the plants which are the chief objects of the farmer's culture. These generally require a neutral soil-that is, one in which lime under some form or other, occurs in considerable quantity.

Although clay, according to Dr. Jackson's classifiention, is arranged as an alkaline earth, yet as such, it is so feeble that when united with silica or sand alone, the mass becomes neid, and unfitted for our usual crops. On such lands, Indian corn assumes a yellow sickly aspect, even when it is not injured by stagnant water. And what is the cure? Apply lime enough, and then, says an accurate observer, young corn takes immediately a deep, healthy color, before there is any perceptible difference in size. The erop will produce from fifty to one hundred per cent. more the first year, before its supply of food can have And why? Because the possibly been increased.* poison which has paralized it, was destroyed.

It is well known that when magnesia occurs among quick-lime, it is often injurious to the land. Such n mixture is called hot lime, from its burning alkaline quality,—the magnesia not combining so speedily as lime does, with carbonic acid, which would render it mild. Besides, the lime, having a stronger attrac-tion for that acid, will either be served first, or take it from the magnesia till it has got enough. I have seen spots of earth, where large heaps had been thrown down to slock, remein barren-as free from vegetation ss this floor-for two or three years, although the ground had been carefully scraped over when the heap

was removed. Yet such is the stuff to which the south castern purt of Pennsylvania owes much of its fertility. For-merly, when I lent a hand to that process, it was considered that 30 or 40 bushels to the acre were as much as the land could bear without injury. It was found,

*Eseay on Calcareous Manures

however that rich land would bear more than poo land; and in process of time they discovered that 10 bushels to the acre might be safely and profitably applied to pastures or meadows. The time was slack ed in large heaps; and then from a cart or wagon o ed in arge neaps; and then from a cart or wagon o a calm day, it was scattered with a shovel evenly ove the grass. It fell among the decaying leaves which in worm weather yield carbonic acid, and it becam mild without injuring the crop.

Some years ago, I published an account of thi simple method, believing it superior to that of an other country, and you may judge of my surprise t see it stated in a work of high authority, bearing th date of 1840, that magnesian limestone is unlit for th

purposes of agriculture !

Lime, however, possesses other properties beside that of neutralizing acids. One of the most remark able is the power to absorb putrescent manures; an to hold the fertilizing escence till it is wanted by th erop, through every vicissitude of the sensons, through indefinite periods of time. There it is, lock ed up; and nothing at common temperatures but th energy of a growing plant, can unlock it.

Lime has heretofore been styled the basis of al good busbandry. It stores up the manure that is no immediately wanted, for future use-a kind of sav When the supplies from the bern yard are spread all. and ploughed into a soil that is nearly destitute o lime the growing crop catches a part of its virtue but a very large part escapes, and very little will be left for the benefit of those that succeed. I had been used to such soils until I removed to my present farm and was then agreeably surprised to see how mucl more durable were the effects of stable manure. My fields were limed by the deluge.

Unwholesome vapors and villainous smells, aralso absorbed by lime; and some places once remark able for insalubrity, have been changed in their char acter by liming or marling the fields around them Nusances are converted into manures. A strikin illustration of this principle is contained in the following the striking t lowing account from the Essay on Calcareous Ma nures.

The carcase of a cow, killed by accident late in the spring was laid on the ground, and covered by abou 25 bushels of broken shells mixed with 45 bushels o earth chiefly silicious. After the rains had settled the heap, it was only six inches thick over the highest part of the carcass. The process of putrefaction was so slow that several weeks passed before it was over nor was it ever so violent as to throw off any effluvi that the enlearcous carth did not intercept in its escape so that no offensive smell was ever perceived. October the whole heap was carried out and applied to one sixth of an acre of wheat; and the effect pro duced far exceeded that of the calcarcous manure alone, which was applied at the same time on the sur rounding land.

The same valuable work contains a caution to the farmer which may save him from dangerous errer " He is not to suppose that calcareous carth can en rich a soil by direct means. It destroys the worst for of productiveness, [acidity] and uses to the greates advantage the fertilizing powers of other mannics but of itself it gives no fertility to soils, nor furnishe the least food to growing plants." In other words, i is the strong box for the tiensure, but not the trensure uself.

Lime also possesses the property of making sandy soils closer and firmer, and clayey soils lighter. It is a mean between two extremes.

I was conversing several years ago, with a farmer from a sandstone district, who expressed some surprise that 40 bushels of wheat could be raised to the "I don't believe," said be, "that our land could be made rich enough to produce such a crop-it would lodge." I am entirely of the same opinion, I am entirely of the same opinion, unless lime be employed. Stable manure is too stim-ulating—the stem grows too rapidly—it is succulent and weak. Whether the lime by combining with silica assists in stiffening the stalk, or not, we may be certain at least, that it yields neurishment as the plant needs it; and that every part will be healthy and properly developed.

Professor Emmona says in one of his Geological Reports, that the most fertile soil formed artificially, by the mixture of different earths, yielded on analysia 37 per cent. of carbonate of lime. As it is known,

*The following extract from Liebig's Organic Chemistry,

is cited as a parellel case:
"An almountal production of certain component parts of "An abnormal production or certain component parts of plants, presupposes a power and capatility of a similation, to which the most powerful chemical action cannot be con-pared. The best tilea of it may be formed by considering that it surpasses the power of the strongest galeanic battery, with which we are not able to separate the oxygen from carbonic nodd," p. 184.

ever, that hime in some sods, soon ceases to be a onate," it is probable that the real quantity of lime even greater than what was indicated by the anal-I have seen soils of remarkable fertility, that

irally commined a very large proportion of lime ; there is no danger of having too much when it is

perly applied.

n drought, how are plants supplied with water? er a shower, the soil may be wet enough for a time; when the sun and wind dry the surface, the moisb rises up from below by espillary struction, as the ted tallow rises up through the wick of a candle upply the deficiency above. It is from this cirustance that our crops over deep bods of sand sufless in dry weather than where the subsoil is hard impermeable, showing the benefit of deep and rough ploughing. In either case, however, as the ply begins to fail, and the soil grows drier, its est parts absorb moisture from the air; and the ats are constantly nourished by this invisible foun-

But the different constituent parts of the soil, act h different degrees of energy,† Of the earths, silicious is the weakest, and the aluminous the ingest, while lime holds an intermediate position. t one of these, however, would do by itself, nt sand, because no sail consisting entirely of impuble matters, is fertile; § and we want it to keep soil loose, so that the mr can enter its pores, and o up the water which it holds as vapor. Without ch assistance, stiff clay or aluminous carth would sorb out little moisture from the atmosphere, because cakes, and shuts out the air. Lime is also a valuaauxiliary in rendering the soil more absorbent, inpendent of its other indispensable qualities.

But the soil, however it may be tempered and contuted, can never be absorbent in a high degree thout culture. Some crops indeed require more of is anality than others. Thus Indian corn requires ore than wheat; and wheat more than the grasees But vegetable and animal matters the meadow. e more absorbent than the earths; and culture only n properly introduce them into the sal. Even when ere, frequent stirring is necessary to keep the ground ose and the pores open, for the free admission of the

and the easy passage of the roots.

Our coats sometimes become spotted with mude apply the brush, but the bristles pass over withnt effecting its removal. What is the reason? The
sy which was suspended in the water, forms a glaze crust. It is just so with the interior of a soil bich has laid long unstirred. The clay forms a not round the inside of all the little cavities, preventg the free circulation of air, and the introduction of pist vauor. The fertilizing principles are excluded. The celebrated Tull, observing the extraordinary fects of high culture, concluded that plants fed on ellow earth, and DUHANEL adopted the same notion. heir philosophy was coarse, but their practice was no. If we were to follow their example, making lenty of fine earth for the plants-not to feed on, ut to drink from, our crops might be greatly increas-One of the chief errors of our husbandry is to ultivate too much land, because it is only half done. fall the quantity with double the work on it, and ouble crops would be found more profitable.

I have long believed, however, that no part of the yatem required reformation more than our managenent of manures. Manure bas been called the wealth f the farmer. When it is taken out in the spring. t is commonly scattered over the ground in large umps; the plough comes along and covers them, or iot, as the case may be. If covered, they intercept he ascent of the moisture from below, especially in dry seasons. If not covered, they he wasting on the ground-of very little value. Indeed some excellent armers have satisfied themselves that strawy manure

is unprofitable for summer crops.

I am far from holding that opinion, however. The error consists in not applying it to t e soil in the best manner. In the spring of 1840, I had no ground for field beets, but a small lot where corn had grown for two years in succession. It was unfit for such a crop without manure; and I had only fresh manure from the stable, which has long been considered most un favorable to the beet. My necessity, however, prevailed against opinion; and I took the responsibility. From each line where the heets were to grow, two furrows were turned so as to leave a wide dead furrow. Into this the manure was thrown from the

*Essay on Caleareous Manures.

wegon, each fork full touching the one just behind it. till the row was completed. It was well covered by tuning two furious together over it, which held it down while the herrow was passing four times in siteerssion, breaking, pulverizing, and mixing it intimately with the soil. Again two furrows were turned to-gether over the row, and the harrow passed twice was reduced to a fine tith; and if there were any better beets in the county, I did not see them.

To me, it was a most instructive experiment. have often seen manure applied to curn fields, but never in any case where it was so completely incorporated with fine carth. Even in the direct part of that senson, the ground was always moist and mellow.

I am satisfied that we have been too saving of our arrows. Thaty years ago, there was a method of harrows. ploughing in this country called " cut and cocer." was ploughing, not to the shares, but the halves-the furiow slice covering the space where a furrow ought to have been. I am apprehensive that our ideas of harrowing were learned in the same school. When grain is sowed, is it not the prevailing opinion that it is harrowed enough when the seed is covered? 1 bada narrow land harrowed sixteen times in one day, and was satisfied that the labor was well applied

For beets, or curn, or potatoes, what would effect of ploughing in a heavy dressing of stable manure, harrowing twice, and repeating the operations of the ploughing and harrowings four times more, adding each time to the depth of the soil? I have not yet performed the experiment, but the nearer I have approached it the finer has been the crop. Thorough culture would seem to require that every little lump should be broken, so that the roots could wander freely in every direction, and that every diop of a summer shower, should be cought and retained for future use. Hard land and thin soils have some resemblance to a dish bottom upwards.

An instrument for pulverizing the soil was invented a few years ago in Virginia, by Thomas B. Gay, is called the Drag-roller, for it operates just as a roller would that does not turn, but drag. Take a hollow would that does not turn, but drag. Take a hollow log. six or seven feet long, split it in two, and one half would serve for this instrument. The grester the diameter, the easier it would run; and be less liable o clog by gathering clods before it. Three feet would ne better than two, though either would answer. Frame two pieces of scanding into it, connecting them in front; and to this fixture the tenni is to be nunched.

D) you believe that clods as big as a man's fist, or as big as his head, are more useful to the crop then stones of the same size? I do not. But if we break them-grind them to dust-and leave them on the and, they would do as much good as other mellow earth of the same bulk. Now in warring against the clods, this instrument is formidable; and most so be-fore they become thoroughly dried. On the same day, therefore, that the plough turns them up, let the diag-roller grind them down; and let me suggest that lumps of barn yard manure would escape not much better.

Stable manure, however, is often saved for the wheat field; and at any time during the summer, either before or after harvest, it is taken out and thrown into heaps, where it lies wasting until seed time. It is then thrown round into large lumps as before mentioned, the plough covering some, white others too big to cover, stick up over the field. If the wheat is herrowed, perhaps some of these pyramids are upset or demolished; but often the harrow serves them as the plough did-gives them a shove and passes on. Now it seems very clear to me that manures applied in this way, is comparatively of little value.

There is another class of farmers who manage things differently. Soon after the warm weather commences in spring, they collect all the manure of the barn yard into large heaps; and work it over, two or three times in the course of the summer, so that the straw may moulder and be more easily mixed with the soil. This advantage-the only one that I can discover, is indeed secured, but at a heavy expense. The best part of the manure passes off to visit their neighbore, or roam at large through the atmosphere, leaving the worst part, though still of some value, for the own-The praise of industry is theirs, and the reward of working for nothing and finding themselves.

Another set of farmers, more enterprising still, make up all their barn yard manure into compost. This is done by successive layers of manure, rich earth, and lime, together with any refuse stuff, animal or vegetable, that may be at hand-to be turned and mixed several times in the course of the sesson. Such manure is always valuable; but with a little more knowledge, its value might be much increased.

Let us consider this subject. From a heap of fermenting manure, a vapor continually rises, very different from the exhalation of a pond, as our noses might testify. Perhaps some may think that such then thet as that would be of no consequence to a plant : but I can assure them it is the best part of the manure. Humphrey Davy filled a three pint vessel with a bent neck, from a fermenting beap of stable manure while it was hot, and unned the beak among the roots of some giass. Nothing but vapor left tho vessel; yet in less than a week the grass grew with much more luxuriance than the grass in any other part of the garden

The value of this vapor is therefore evident; but how shall we save it? In the first place, the fermenintion should be very gradual. Make the heap in the shade, or on the north side of a building, and manage it just as you would manage a coal kiln. The more the air is excluded, the slower and better will be the process. Now covering it with earth will have this ffect; but vapor will rise even when it ferments slowly, and therefore marl may be freely scattered through the heap as it is made ; but no quick-lime. Lime in deed, should form an outside covering for the whole pile (when marl is not at hand); but it should be carefully prevented from coming in contact with stable manure, or any animal matter. It must not touch them. It spoils them. A layer of earth should be interposed; and then the lime would be highly useful in catching and retaining the fertilizing vapor as it

I believe there is no difference of opinion on this ubject among chemists. Humphrey Davy speaks in the plainest language against mixing quick-lime with common dung as injurious; and other eminent men fully accord with the doctrine. On the outside of the heap, however, quick-lime in a few weeks would be carbonated; and after undergoing this change, it might be safely mixed with the compost. A fresh coat may then be applied.

But some farmers may not wish to apply their barn yard meaure in the spring, or make it into compostthey may prefer using it after hervest, and yet not have it westing in the mean time. In that case I would advise that it be thrown inward where it lies thin, just so fur that this work conjointly with the work of covering it, shall amount to the least labor. Then cover the whole with straw or carth to protect it from the sun; and cause it to be trodden down by the cattle as firmly as possible to exclude the air, and prevent fermentation. Some of you may recolicet when forking up such matters after hervest, that the straw in spots was bright and unchanged. That was where it was well trodden. All change is attended with loss; but as some change may be expected, strew lime or marl and plaster plentifully over it, to absorb, or arrest the ferulizing vapor.

The effect of plaster (composed of lime and sulphuric acid) has long been a source of wonder; for it was a wonder how one bushel could add more than 20 times its own weight to a crop of clover. Inquiring minds of course have been busy in trying to explain the mystery; but I doubt if all the properties of this manure are understood even at this day. Hum. phrey Davy was inclined to think that plaster was a necessary part of the woody fibre of some plants, analagous to the bony matter in animal structures. lant could not do without it, though it wanted but little; and hence so small a quantity had such a nowerful effect. "Plants which seem most benefitted by its application," says that eminent chemist, " always afford it on analysis.

When this theory was announced some thirty years ago, it was rejected in this country, where the effects of plaster were much better known than in England, but if he could have shown that it enters into such plants in any definite proportion, some of the arguments against him might have been refuted. It appears, however, that he never pursued the inquiry with much interest.

Judge Peters of Pennsylvania, had done more than any other person to extend the knowledge of this manure, and to favor its introduction. He had been very diligent and minute in his inquiries; and though not a professed chemist, became satisfied that sulphuric scid was the active ingredient in plaster. He show-ed from the observations of Bernid, that lands near Catanea in Sicily, abounding in volcanic matter, including sulphur, t were very fartile; and from an experiment by the same person, that brimstone, poundd, sitted and mixed with ashes, had a surprising

* Davy's Agricultural Chemistry.

tA lat traveler writing from Italy, says of the reasonts residing in the neighborhood of Vesuvius—" If the r houses are burned, they return, when the laws cools, to build new o.cs, and cultivate a soil inexhaustibly fertile."

Davy's Agricultural Chemistry ives little absorbent power."-Agricultural "Sand is incapable of absorbing nois are from Wand gives little absorbent power."—Agriculture Chemistry. "Sand is inexpaide of absorbing mois are from the atmosphere, or of retaining any valuable vapor or fluid.—Excapon Calcarcous Manurs.

effect on lucerne and clover. Sulphur c neid greatly diluted with water, had a similar effect.

As a further confirmation of the effects of sulphur or sulphurie acid, when Chancellor Livingston was travelling in Flanders, he saw the farmers preparing pyrites for manure. Thus mineral is a combination of sulphur and iron, and when partially buint is employed in the same manner, and for the same purpose as we use plaster. Dr. Chapman of Pennsylvania, found a similar result from sulphuret of barytes.

Last summer, a new work called Onganic Chem-ISTRY, by Professor Liebig of Germany, was first published in this country; and it has been considered by those best qualified to judge, as constituting a new eta in agriculture. It is not my intention, however, to detain you with any of its details, except his explanation of the effects of plaster on growing plants.

Ammonia is an essential part of the food of plants. It affords all vegetables, without exception, with the nitrogen that enters into their composition. volatile; but sulphuric acid (furnished by the plaster) can prevent its flight, and fix it in the soil. This can only be done, however, when the plaster is dissolved. sulphuric acid then unites with the aminonia, and the carbonic acid of the ammonia unites with the

Such is the purport of Professor Liebig's explanation of this great mystery. If he is correct in ascribing ALL the effect of plaster to this new combinaits importance in the economy of our farms, must be evident. All our fields, pastures and meadows, ought to be strewed with it; and in accordance with his suggestion, it ought to be senttered in all our stables, and over all our barn yards. The quantity required is not great; and many experiments may be

instituted at a trifling expense.

I ought to say, however, that this theory appears insufficient for explaining all the phenomena, in connexion with the use of plaster. Why is its effect on clover so extraordinary, and on wheat so iosignificant? Judge Peters, after using it forty years, said he never found it beneficial on winter grain; and others, after long trials, thought it did little for the natural grasses. All these, however, are powerfully affected by stable manure-by the very ammoniat which that manure yields. And what do we observe? Clover of luxuriant growth, and close along side of it, wheat without any indication of benefit received, though both have been plastered alike.

Again--Professor Liebig informs us that every shower of rain, or fall of snow, brings down ammonia to the ground where the plaster ought to arrest it, and the plants that feed on it ought to be more thrifty; but we have much testimony to show that on many fields no trace of such improvement could be discovered. These facts may not be inexplicable ; but they appear to me at present, quite sufficient to bang a doubt on.

I am aware that we have statements in regard to the use of plaster, of the most conflicting kinds, so that with some few exceptions what one denies, another affirms; but would this be so if it acts solely in the manner described by Professor Liebig? simple cause might be expected to produce a uniform effect. For instance : Pondrette is a simple cause ; and as far as I have understood, it operates with uni form effect, whether on clover, wheat or enblages.

On some soils indeed, plaster is uniformly inefficient—not the trace of any effect is perceptible. This inertness has been more frequently observed in the tertiary formation near the sea coast; and therefore it was ascribed to the salt vapors. Plaster, however, succeeds well in many places on the coast, and fails in others far beyond the sen breeze, so that the cause seems to reside in the soil, and not in the sir.

There are several substances that decompose plaster, besides the carbonate of ammonia. Carbonates of potash and soda have the same power. In the hands of the chemist, plaster and common salt readily change into sulphate of soda, and chloride of lime; and Judge Peters said, "I ruined a bushel of plaster by a handful of salt-it was unfit for either cement or manure.' Some of the oxeletes also effect its decomposition.

When this happens, the plaster no longer exists; and most of these results are not known to be of much value as manures. Such failures, however, rarely occur on calcareous soils, or on such as contain a due proportion of lime. There plaster generally proves beneficial; and even in England it has succeeded on

such lands. Many years ago, in the south eastern part of Pennsylvania, some farmers thought it would apersede the use of time; but it gradually lost its effeet; regaining it, however, when the land was limed. Wherever plaster proves of no use therefore, TRY LIMING. On a small scale, it may be done at a trifling expense; and may lead to the most beneficial results.

And remember that plaster must be dissolved before it can do any good. Sometimes there is not rain enough for this purpose in summer, and therefore there is always a risk to sow it late in the spring

Let it be done early.

I have now arrived at my last paragraph. bogs or deep swamps, manure may be manufactured to a great extent. Three parts of peat and one of stable dung are mixed together and fermented through the summer. It was used in England' many years ago; and has been found in New England, equal to the same bulk of stable manure, and more permanent in its effects. t

For the New Genesee Farmer.

Strictures on Mr. Garbutt's Views respecting Roots and Improved Stock.

Mr. EDITOR-I was much surprised on perusing Mr. Garbutt's remarks in the January number of the New Genesce Former. I did think he would have heen the last man that would go against agricultural improvement, and especially root culture and improved stock.

It is admitted by the intelligent enlitvators of Great Britain, that the root culture has doubled the products of the soil of that country. There one fourth, and frequently one third, of the arable land is annually sown to turnips or mangel wurtzel, and the advantage of this crop to the cultivators is almost past calculation. The greatest proportion of their beef and muton is fatted in the winter with these roots, and their stock are wintered on them and straw. Where the farmers of this country to adopt the same improved husbandry, the benefit to them would be equally great. It is true that labor here costs much more than it does there, but that is more than over balanced by the exhorbitant ients and heavy taxes which have there to be paid. Were each farmer here to raise 40 or 50 neres of roots annually, (which they could easily do) our country would soon wear a very different aspect. Instead of the poor miserable animals which generally occupy our barnyards in the spring, they would exhibit the fat and thrifty appearance of our stock in October, only much improved in size and beauty, as in England. The greater part of our beef and mutton would be made in winter, and we would not only save our summer's pasture, but our animals would be much better fattened and their flesh of much more value; instead of 21 cents per pound, it would be worth 8 or 10. There would also be a great saving of grourd and labor by wintering the stock with out hay, and the consumption of so many roots in winter would greatly increase the barnyard manure, which is the farmer's gold mine, and thus enable farmers to enrich the soil and double the amount of their grain crop per acre. Such would be the beneficial results of introducing the root culture, and the benefit of introducing the "best and most improved stock" will be of more importance, and if possible of more profit. Let any one look over the sales of these beautiful animals which have been made in this country for four years past, and he must conclude that \$200 per head will be a low calculation for an average price of such animals in future.

I think that the average value of our native cattle which are slaughtered at home or drove to market, will not average over \$25 per bend, but say \$30, and what an immense difference in value and profit, is there in favor of the Improved Durhams.

And the improved sheep are also well worthy of attention. The 10 or 12 lb. Cotswold fleece is of much more value than the Merino's 3 lb. fleece; and the

* Davy's Agricultural Chemistry. † Jackson's Geological Reportion Rhode Island.

35 or 49 lbs, of good mutton per quarter of the lor mer, are certainly of more value than the 19 or 12 c the latter. Were these improvements in bushandr but generally adopted, the products of the soil woul be doubled and the wealth of the country increase threefold; and then the hue and cry about hard time and the scarcity of money, would vanish like smok before the wind

These facts, Mr. Editor, are self evident to all wh are not wilfully blind, or stupidly ignorant; therefore persevere in your well doing, extend your valuab paper to every cottage, handet, yes, and stately may sion, that all may know what they can do for then selves and their country. And to effect such laudble purposes, I propose that each friend of the Ne Genesce Farmer pay for three copies annually, at distribute them amongst those of their acquaintant who are not willing to pay for it, and it will soon I in the hands of all.

I remain most sincerely.

A FRHIND OF IMPROVEMENT. Pebruary, 1842.

Corrected Views on Root Crops and Improv ed Stock.

Mr. EDITOR-I am glad to see that you call on you intelligent correspondents to correct my erroneou ideas published in the last number of the Farme We are all liable to form wrong conclusions, and frank discussion of them, with liberality and kindnes is the only way to arrive at truth; and why should the cultivators of the soil quarrel with each other? W have one general interest, viz., the improvement of the soil, and the increasing of the products of or labor. Petty jenlousies or individual strife should net er disturb the free interchange of our views.

But, my esteemed friend, I think that you mistee my suggestions. It was far from my intention to it sinuate that labor and capital judiciously employed were not rewarded to the American farmer. I thin that we, who are lords of the soil, do reap the frui of our own labor. We are better off than any ter ants in the world, independent of the enormous rent and he my taxes of England.

Nor did I intend to him that the root crop, to a mot erate extent, was not profitable. I know the revere from experience, and much regret that farmers in ger eral pay so little attention to it.

And I am, also, as warmly in favor as sny one, rearing and maintaining the most improved and bes (but I would rather say most profitable) stock for th country. It was my wish to convey this idea, and I did not do it, you must excuse a ploughman's blur ders. There are great differences in countries relativ to the profit of certain crops; what suits the one doe not always answer for the other, and in introducin any new thing, it is very essential that we should t first test its value or advantages on a small scale, an prove them thoroughly, before we adopt them as on own. It is yet my notion that there would be no barm in always doing so. This jumping at ever new thing as a trout does at a fly, is the bane of agri cultural improvements, and prevents us from bring ing any thing to perfection. They who have the means to give \$10 per bushel for Rohan Potatoes, o as many hundreds for a Durham Bull, can do so; bu if they should have to pay for the one by raising pota toes at 20 cents per bushel, or the other by beef at 24 cents per pound, I fearthat they will think that they have paid rather too dearly for the whistle, and their ardour for improvement thus receive a severs lamper. That various agricultural productions sre better adapted and more profitable to be raised in one country than another, is not denied by ony. It would not be very profitable for a Cattaraugus farmer to sow annually 100 acres of winter wheat, nor for us Wheat-

anders to stock our div soils with redtop. If I am

^{* &}quot;The evident influence of Gypsum upon the growth of grasses, depends only upon its fixing in the soil, the ammo-nia of the atmosphere."—Liebig, p 142.

^{† &}quot;Animal manure nets only by the formation of ammo-mia,"-Liebig, p. 136.

ong in stating that England is better adatped to exsive root culture, and that it is more prefitable ere than it can be here, I hope that I have done no in in saying so, and that it will not prevent any e from trying a few. That the heavy Durham tls which arrive soon at maturity when supplied th abundance of succulent food and extraordinary re, are better adapted and more profitable for that untry, where such food is abundant, labor cheap, d beef high, than in pars, where all are the reverse, my humble opinion, and I hope that none of my low furmers will be offended at my saying so. I have often wendered and much regretted that be enterprising and wealthy gentlemen, who have ent so much money in introducing these fine, heavy imals, have never taken the trouble to ascertain the act amount of flesh, or dairy that they make for food they consume, and let us know for certainty.

w much they are preferable to our native stock. Let any one pass through various parts of Western w York in March and Amil, and see the number meagre and half starved cattle which are strolling ough the naked fields, or shivering by the side of e fence or empty barns, and he will have reason to ink that it would not be much profit, to such forms at least, to have animals that require more food d better enre.

If we feed, and breed, our animals so as to improve om, our native stock would som become good; d if we do not do so, the best breed in the world Il soon degenerate.

Yours most respectfully,

W. GARBUTT.

Wheatland, February, 1812.

We must say that we consider the sentiments adnced above by our good friend, with his qualificaons, in the main sound and orthodox; and so far om his feeting any diffidence in sending or we in iblishing, let him understand once for all, that we for the fullest and freest discussion. So far from ing offended at another man's honest opinions be use they deffer from ours, we should just as soon ink of being offended because his eyes are blue and irs black; or because the point of his rose does not uppen to be placed at the same angle of inclination the right or the left as our own. Away with such gotry, it is only fit for fools and Inquisitions !

On the other hand, while we think our friend Garut is likely to err on the side of too much caution, a friend of Improvement," is a little too buoyant ith enthusiasm, and his morning sky is colored mewhat beyond nature. In their present condition e cannot think of putting .wo such amonds in the me yoke side by side; but with friend Garbutt in ne filles and a "friend of improvement" forward, e may g t along safely and successfully, though in ich case there must of necessity be considerable rafing of sides and of haunches, and a great loss of ower.

Now with all due respect for our friend Garbutt, e cannot see the advantage or necessity of begining with the alphabet when we have already learns read, nor with a "triend of improvement," that ecause we have learnt to read, therefore, we .now every thing, and there is no longer any occaion for books. There is always some danger in gong between opposing parties of getting hustled ourelves, but we shall, if we can, get through, no matter f our cost is turn.

The value of raising vegetables for stock and in arge quantities is well established in England. Why annot we avail ourselves of their experience in a juestion which they have settled; and let stock raising farmers, and wheat growing farmers too, make,

extent to which we pursue it must be settled by a sound discretion, having reference to our wants and to our means, and to the whole of our condition, But the question of their utility, in respect to keeping our stock and the means of enriching our farms, is no longer an open question here any more than in England.

Then again in regard to the introduction of the Improved breeds of cuttle among us. In England the most extraordinary pains have been taken for more than half a century, the highest skill exerted and the most lavish expenditures incurred in improving then breeds of cattle; and through the liberality or the commercial enterprise, or, if you please, the avariee of many individuals, public spirited or otherwise, we bave the advantages of these improvements placed directly within our reach. Now why should we not avail aurselves of them, either by judicious crossing with the best of our breeds, or by adopting the pure stock and making for them such provision as is demanded, in order to maintain their superiority? Such exertions would very much benefit our husbandry and undoubtedly give us an ample profit. At the same time the expectations held out by "a friend of improvement," that 200 dollars per head for our cattle will in such case be a low calculation, and instead of getting 21 cents per pound for our mutton we shall be sure of 8 or 10 cents, is not a calculation that we should think safe to encourage, certainly not in the present dilapidated and fluctuating condition of our currency, when no man can tell for his life, what a dollar is worth. Prices are of all matters in political economy, the most difficult subject of calculation, combining, as they necessarily must, in order to any safe reckoning, so many various elements, such as the condition of the correscy, the supply of the article, and the demands of the market. With these brief hints, we submit the case between the parties to the court .- [Editor.

Madder.

Our respected correspondent, L. A. L., who desired some information from us on the culture of madder, we are compelled to refer to the subjoined notice which appeared in the Genesee Farmer in 1837, vol. 7, no. 39., which perhaps will be as full as he desires; if not, let him do us the favor to say in what particulers he desires further information, and we will nicet his wishes. We have delayed replying to his inquiries because we hoped we should find some individual practically acquainted with its cultivation and man-agement. Teat has not been our good fortune, and we have never seen the plant growing. nfer from the entements given, that the crop might be cultivated to much advantage, if we have only pasience enough to wait for the harvest; but as to pres ent prices of the article we know very little, and what price it is likely to bear four years hence, who is gifted with the power of divining 1

"Madder, or Rubia tinctorium, in one of a large family of plants, and for its valuable qualities in colorng has become an important article of cultivation in several countries, particularly Holland, where the province of Friesland is almost wholly devoted to its production. In Radellil's Flemish Husbandry, the ollowing condensed rules are given for its culture : The soil a rich sandy loam of from two to three feet in depth, as the roots must have room to penetrate;the land laid up in ridges in antumn if to be planted in the spring, and kept clean from all weeds; -plant n April, on ridges if the ground is wet, if not, on a evel, in rows 18 inches apart, and the plants 12 inches distant in the rows ;-as much root as practicable should be taken with the slips to be planted, and from six to eight bushe's will be required for an acre, though this of course must depend mainly on the distance adopted by the planter ;-plant nothing in the intervals, but as the topa shoot up bend them occasionally to the ground and partially cover with earth ;-when the tops fall off in autumn, earth the tows as a protection against frost, and in the spring hoe the intervals thoroughly :- the slips of the second year are the rest to plant, and should be taken off in the spring when about an inch above the surface :-three years

stock an indispensable branch of husbandry ! The they are dug by deep trenching, the roots quickly and carefully dired to prevent discoloration or molding, washed and dried in a building resembling a hop oven, and then ground and packed for use.

Madder roots are long and creeping, about as large as a quill, red within and without, and a single plant will, in a good soil, yield about 40 pounds of fresh toots, which will in drying be reduced about six sevenths. Some have this the roots in two years, but the roots do not then contain the proper quantity of coloring matter; and if they stand longer than three years more is lost than is gained after that period. All parts of the root contain some coloring matter, but it is in the middle part that the most and the best is found, the uncroscope showing in this part a multitude of sbining red particles, constituting the rich dyeing material, thickly dispersed among the fibres. "According to experiments made in England, five pounds of tresh 100 s go as far as lour of the dry ones; and it is estimated that seven or eight pounds of fresh roots are reduced to one in drying; hence the great advantage of using green roots where practicable, be-comes apparent. They are more extensively used in comes apparent. They are more extensively used in a fresh state in France than in any other country, and are the recalled alizari." Good madder when ground for the market is of an orange yellow, passing into a brown red, having an acid sweetish taste and a strong smell.

Some improvements in the culture have been made since it was first attempted here, and if the amount of product per acre may be considered as a criterion, our methods have the advantage over those practiced in Europe. Mr. Woodberry of West Winfield, Her-kimer Co., in a letter to the Cultivator, says,—"It is now ascertained that the best method of planting madder, is in beds six feet wide, with four rows of plants to a bed, leaving a space between the beds nine feet wide unoccupied; or it may be planted with rows of corn or pointoes the first season. This space is useful for various purposes, as passing with a team to carry manure, should it be considered necessary the first and second seasons. The manure should be drouped between the beds, and mixed with a plough before it is used on the beds." By treating the intervals in this way, Mr. Bronson, a cu tivator of madder in the same vicinity, on a few acres of land planted with madder, raised upwards of one thousand bushels of potatocs; and handsome crops of corn have been obtained in the same way. The advantage of planting in beds, anses from the greater extent to which the tops may be covered, as each earthing, properly performed, adds materially to the quantity of the roots produced, the top itself to that extent being converted into root, and not to be distinguished in its qualities from them.

The following estimate prepared by Mr. Woodbery, and it does not vary mater ally from those furnishd by other cultivators, shows at a single glonce the expense of cultivation, and the value of the article produced when ready for market.

Seed per acre 8 bush, at \$4	. \$32,00
Interest on land 4 years at \$40 per acre,	. 11,20
Plonghing and harrowing twice,	2.50
Dressing first year,	8,00
second year,	7,00
" third year,	3,00
Digging,	21,00
Drying, 25 cents per cwt,	12.59
Grinding do do	12,50
-	

Total expense \$111,70

Product if well cultivated, 5000 pounds, average price 20 ets. per pound,\$1000,09

Clear profit,.....\$888,30

We have heard but one serious objection made to the culture of madder, and that is, the long time required for its cultivation allows great fluctuations to take place in the prices; and those which may exist at the time of commencing with the plant, cannot be relied on as those which will prevail when the article is ready for market. When we remember, however, that the demand is stendy, a d incressing; that the quantity produced is not likely to vary suddenly; and that for a number of years the price has ranged be-tween from 17 to 23 cm ts for good qualities, we think little apprehension need be entertained of an overstocked market, or heavy soles. Seed at the proper sensons, mny, we believe, be obtained of the growers in the region we have mentioned, as well as milla for grinding the roots, and we should be pleased to learn that farmers suitably located, had added to their as George Shoffer has done, the growing of roots for are required for the roots to arrive at perfection, when other sources of profit, that of the culture of madder,

Vol.

SCIENTIFIC AGRICULTURE .== Letter 2d.

Before quitting the subject of Carbon, it is proper to advert to the experiment which is now frequently tried, and which I have recently seen here.

A Hyacinth bulb was placed, early last November, in a tall glass jar with about three inches of good rich earth, and plentifully watered, the month of the jar was then closed as well as possible with cork and sealing wax, and this was done so effectually that the moisture did not evaporate; consequently but little if any air could enter, and the original air within the jar, therefore, remained unchanged by admixture with the fresh external air. The Hyacinth grew vigorously, and in the month of February flowered luxuriantly Now it is clear that the carbon necessary to form four or five large leaves and a full grown spike of flowers could not have been derived from the small quantity of carbonic acid gas contained in the air in the jar, nor even from the bulb alone; hence a large portion must have been obtained from the humas of the mould-the carbon of which, combining partly with the oxygen of the air, but chiefly with the oxygen of the water, formed carbonic acid gas for the use of the plant. This confirms the opinion of Liebig, who states that the principal use of Humus is by its combination with exygen, to provide an atmosphere of carbonic acid gas for vegetables to convert into earbon during their growth Although the trial with a bulbous root, which in the bulb contains already considerable provision of material for growth, is not so fair an experiment as it would be with a plant wanting a bulb. Yet I know from experience, that a hyacinth does not contain near sufficient in its bulb to bring its flowers to perfection without any other aid.

The practical value of these considerations on the subject of Carbon is, that Humus being a considerable means of supplying carbonic acid gas to plants, it must be exposed in sufficient quantity to the action of air and water to generate this gos. This is done by cultivation, in other words, by stirring the soil, keeping it in fine tilth, and thus continually exposing to air and water fresh portions of it-for this purpose also, the admixture of a moderate quantity of stones of proper size is useful, they keep the earth more free and open, and increase the surface of the soil where they are in contact with it, so that more humus is exposed and kept in admixture with moisture.

AZOTE.-It seems to be well ascertained that, whatever quantity of nourishment be offered to a plant and taken up by it, this nourishment cannot be digested, (assimilated as it is more properly termed in vegetable life,) unless it be accompanied with a certain proportion of Azote-in other words the plant cannot convert its food into luxuriant growth without the aid of this substance. It follows then, that however rich the soil may be in other nutriment, if azote in abundance be not supplied, this overplus of undigested food taken up by plants will be again thrown off by them in the shape of gum, honey dew, or other excrements, with every indication of disease. This operation has a perfect parallel in animal existences; a certain quantity of azote is necessary for the digestion of their food. As upen the views taken of this substance, AZOTE, depend results of the utmost importance to agriculture; its nature and properties cannot be too well understood, its application and effects cannot receive too much attentive consideration. I may, therefore, at the outset, be permitted to enterinto a few scientific details which shall be as brief and as clear as I can make

Payen, a French Chemist of high repute, who has devoted much time and study to these enquiries, has shewn that azote is requisite in the formation of a substance in plants analogous to fibrin in animals; that organs. Azote is therefore, necessary to produce, with as it ought to be termed, heat being produced, of the other materials, this concrete fibrinous substance, as the rudiment of all vegetation. Azote also serves to produce the liquid albumen which all coagulable juices of plants contain, and a substance called caseum, which has often been confounded with this albumen.

Fibrin, Albumen. and Cascum. therefore, exist in plants, and these three azotated substances offer a remarkable similarity in properties with the three nonazotated substances mentioned under the consideration of Carbon—thus

Fibrin, like woody fibre, is insoluble;

Albumen, like starch, coagulates by heat;

Caseum, like dextrine, is soluble.

A more profound analogy also exists in the simplicity of the combination of their elements, thus, 48 molecules of carbon, 6 molecules of ammonium, and 17 molecules of water, constitute or may constitute by a different arrangement of these molecules, either fibrin, albumen, or cascum; and thus in both cases, carbon and water, or ammonium (containing azote) and water, are the only ingredients necessary for the composition of the substances on which we are now treating. and the production of these ingredients is constantly renewed by the circle of reactions of the animal and the vegetable existences as stated in my last letter.

Now it is of much importance to observe closely and separate distinctly in the mind, two operations of mature in the growth of a vegetable, because it will be seen that ample provision must be made for each of these operations. These two important periods are, first, the growth and increase of all parts of a plant, that is stem, leaves &c., until the flowers and fruit appear in their earliest stages, and fecundation and ripening begin; the growth and increase of the first period is then gradually arrested, and a new or the second operation commences. It may, I think, be conclusively shown, that if we were to continue during the summer and the early autumn constantly to apply fresh stimulus in the shape of manure and moisture to a belieft for every farmer in all his crops. plant, take for instance one of annual duration, we should obtain an impuense growth of leaf and stalk. but the fruit would amount to nothing-on the other hand, if we abstain from applying moisture and stimulants to a plant half grown, we should obtain premature but worthless truit. This fact is well known to gardeners who, by confining the roots in small pots and depriving them of stimulants, force their plants into premature bloom-or it may be observed on hot and poor spots of land, where the same causes are in natural operation. It is, I believe, sufficiently apparent that proper soil with a sufficient supply of carbon and azote, or in plain terms, well manured land, and plenty of water, are the indispensable requisites for the first operation, and equally so, that sunlight and heat are the necessary conditions for the second operation. If the manure on a hill of corn be examined when the fruit is formed, it will be found pretty well exhausted of its powers-they are no longer absolutely requisite, they have played their part, the chief necessities now are sunlight and heat, with a degree of moisture in the atmosphere sufficient to keep the outer coverings or integuments, and particularly those of the seed and seed vessel, in a soft and yielding state, until they become well filled with the materials which this light and heat is converting, in other words ripening, from the saccharine and other juices prepared in its first stage of

The phenomena attending this second period are extremely curious. During the first period the vegetable manufactures and stores up an ample supply of saccharine and other juices, containing chiefly earbon and hydrogen, now when a bud is to open, a flower to be fecundated and fruit perfected, heat is required, and this azotated substance is the origin of all the parts of is produced precisely by the same method as in animal plants, is always present with, and accompanies all their life, by the consumption, or rather by the combustion containly very good crops, but they are only halfenough

carbon and hydrogen in these saccharine juices. TI beet root, for instance, previous to flowering, contain a large quantity of saccharine juice, after flowering however, this has all disappeared. If barley or wher are made to germinate, heat carbonic acid and water are produced, the starch which these grains contain. converted, first, into gum, then into sugar, and the ca bon and hydrogen which this contains, are change by combustion into carbonic acid. Fecundation is : ways accompanied by heat, flowers respire carbon acid, they therefore consume carbon; this carbon i the sugar cane, for instance, must arise from the sugar accumulated in the stalk, which sugar disappears whe flowering and fructification are accomplished. The at certain periods in certain organs, a plant, like a animal, becomes an apparatus of combustion-carbo and hydrogen are burnt in it and heat is given ou This view of these phenomena, will sufficiently a count for the differences of opinion amongst many of the early observers of vegetable physiology, on th subject of plants respiring carbonic acid, oxygen, &c.

In my next letter, I will endeavor to give some ac count of the means, both by the common and by arti ficial manures, of supplying that absolutely necessar substance, azote-and if I am fortunate enough to ob tain any insight into the new artificial manure whiel has produced the effect on wheat I mentioned in a lat letter to you and which is now being manufactures for sale in England, I will communicate the informa tion. I suspect, however, that the same manure wa under process of manufacture here last year and i now awaiting the trial of its efficacy. J. E. T.

Indian Corn and Wheat Atternately.

I do not send you a description of the manner in which I have raised my corn for a few years past, be cause I think my crops have been over large, but rath er from their uniformity in yield, which is a desirable

For the last five years I have alternated corn and wheat, drawing from my barn-yard in the spring, from thirty-five to forty wagon loads of long manure to the acre, putting it upon wheat stubble, spreading it even ly, and ploughing it under at least eight inches deep then harrowing lengthwise of the furrows, and mark ing rows three feet apart each way, planting six to eight quarts of seed (Dutton) to the acre, from the Stl to the 20th of May, according to the season. When up, I leave but four stalks in a hill. I tilled with a cultivator, and hoed twice during the summer withou hilling, and harvest by cutting up at the ground fron the first to the tenth of September, and draw it off and set it up to cure.

The land is then ploughed once and sowed to wheat; one and a half bushels of seed to the acre, and well harrowed in. From the above management, my corn has yielded for the five years, at least sixty bushels to the acre, as ascertained by accurate measure: besides giving about two tons of stalks to the acre, which I calculate to be worth at least three fourths as much as hav.

My soil is a gravelly loam, dry and warm; subsoil differing very little from the surface, except a little more tenacious. One advantage in planting corn on wheat stubble is, that it is not as liable to be injured by worms as when planted on sward land. My wheat that I have sowed after corn, has yielded from twenty to twenty-five bushels to the acre, except the past season, which was quite a failure, owing to the badness of the season.

Genesee Co. Murch, 1842.

Editorial Remarks .- Emulation in Agriculture. We call the above good husbandry. Sixty bushels of Indian corn and twenty-five bushels of wheat are

mimal, the kind, quantity and cost of food, to entithe them to the premutums.

TO BRUDDERS.

To the breeder of the best Fuff, class I..... \$10
To the breeder of the best Fuff, class I..... \$10
To the breeder of the best Fuff, class VI... 10

ON HORSES-Over 4 years old. For the best Staffing, Sept. Host teredilm mare & colt §20. For the second best, 12. For the second best, 12. For the that thest, 8. For the that thest, 8. For the fourth hest, Diploma. For the fourth hest, Diploma. For the fourth best, Diploma of the second best, §3. For the three best par of mixtuel (torse, 815, 15). For the second best, §4. For the third best, §3.

Three years old Studs and Mares

A variety of horses possessing size, strength, and endurance for field labor, combined with that action which qualifies for the carriage or saddle-in short the horse of all work, is probably the most profitable class which our farmers can now engage in rearing, and to such, therefore, will the preference of the Society be given.

SWINE-Over 10 months old.

SWINL—Orer 10 mentas aut.

Por the less Boar. . \$10 Forthe less breeding sow\$10
For the second best, . \$ For the second best, . \$ For the second best, . \$ For the fourth best, . . \$ For the fourth best, Diploma.

In awarding premiums on hogs, reference will not be had exclusively to size or to present condition. but to that form and that proportion of bone and offel to more valuable parts, which promises the greatest valuo from the least amount of feed.

SHEEP-I LONG WOOLER.
For the best Back... \$10 | For best per of 3 Ewes, \$10
For the second best... \$1 | For the third best... \$
For the third best... 5 | For the third best... 5 | For the fourth best. Diploma. For the fourth best. Diploma.

II. MIDDLE WOOLED. For the best Burk, ... \$10 | For best pen of 3 Ewes, \$10 | For best pen of 3 Ewes, \$10 | For the second best, ... \$ | For the second best, ... \$ | For the firld best, ... \$ | For the furth best, Diploma. | For the fourth best, Diploma.

Or the less back. \$ 0 | Five Woolen.

For the second hest, \$ 0 | For feet pen of 3 Ewes, \$10 |
For the third best. 5 | For the third best. 5 |
For the fourth best, Diploma. For the fourth best, Diploma.

The term "long wooled" is designed to include the eicesters, Lincolns, Cotswolds, and all the English rarieties of sheep which furnish the quality of wool nitable for combing-the "middle wooled. South Down, Norfolk, Dorset, Cheviot, untive, &c. -- the "fine wooled," the Spanish and Saxon vericics of the Merino and some of their crosses.

FARM IMPLEMENTS.

For the best Plow. \$39 Il st Threshing Machree, \$30 For the second lest. 20 For second lest. 10 For the third best. 10 For the best Hurse Ruke. 5 For the second lest. 5 For the Second For the second best, 5 For the third best Diploma. For the hest best Brane Catter, 8 For the best Dirll Barrows. 8 For the second best, 5 For the second best, 5 For the third best, Diploma Best improved Ox Voke, 5 For the second best, Diploma.

ON SILK.

GN SLLK.

Sest haif bushel Cocoons, \$15 - bor the third hest, \$3 - or the second best. 10 - For the tourth lest, Diploma or the third hest, Diploma is or the third hest, Diploma. 15 or the seround hest, 115 or the fourth best, Diploma. 15 or the seround hest, 116 - 15 or the third best, 116 or the fourth best, Diploma for the second best, 110 - For the fourth best, Diploma

SILK REEL.

for the best, \$10 | For the second lest, Diploma

BUTTER AND CHEESE. for the hets sample of Butter, not less than \$20 CHLESP. For the less tample of Butter, not less than \$20 Cheese, not less than \$20 Fine second best. 12 The second best. 12 The third best. 5 The fourth best, 5 The fourth best, 5 The fourth best, 5 Diploma 1. The fifth best, 5 Diploma

The butter offered for premiums may be presented

in butter tubs, jars or firkins.

The claiment for premiums on butter, must state in writing the time when it was made; the number of rows kept on his farm; his mode of keeping; the treatment of the cream and milk before churning ;

substances have been employed; the best time to hurning and keeping butter in hot weather; and the best mode of preverying it in and through the summer and winter, and in what vessels.

Those who present cheese for the premiums offered, must state in writing the time when it was made : the number of cows kept; whether the cheese is made from one, two or more milkings; whether any addition is made of cream; the quantity and kind of salt used; the quantity of rennet used and the mode of preparing it; the mode of pressure and the treatment of the cheese afterwards.

Besteron of Blood, not \(\) \{ 815 \\ \) Lesteron Indian Corn \\ \} \\$ 15 \\ \] Lesteron Indian Corn \\ \} \\$ 15 \\ \] Lesteron Indian Corn \\ \} \\$ 15 \\ \] Lesteron Indian Corn \\ \} \\$ 16 \\ \] The second lest, \(\) 10 \\ \] The second lest, \(\) 10 \\ \] The chird lest, \(\) 5 \\ \] 17 \\ \] the third lest, \(\) 10 \\ \] The second lest, \(\) 10 \\ \] The second lest, \(\) 10 \\ \]

i or the best crop of Pototecs, grandity considered, not less than one acre, 10 dols.

The second best, ..., \$51 The third best, ... Diplomator to the best crop of Reets, not less than one acre, 10 dols. The second best, ..., \$5.1 The third best, ... Diplomator For the less terrop of Reets, not less than one acre, \$10.2 The second best, ..., \$5.1 The third best, ... Diplomator The less terrop of Reat Baga, and best han one acre, \$10.2 The second best, ..., \$5.1 The third best, ... Diplomator the second best, ..., \$5.1 The third best, ... Diplomator The best crop of Pears not less than one acre, \$10.2 The second best, ..., \$5.1 The third best, ... Diplomator the second best, ..., \$5.1 The third best, ... Diplomator the second best, ..., \$5.1 The third best, ... Diplomator the second best, ..., \$5.1 The third best, ... Diplomator the second best, ..., \$5.1 The third best, ... Diplomator the second best, ..., \$5.2 The chiral best ...

Those who present claims to premiums for farm rops must state in writing the following particulars: The condition of the soil at the commencement of cultivation for the crop; the previous cultivation, product and manure used upon it; the quantity and kind of manure the present senson; the quantity and sort of seed used; the time and manner of sowing, cleanmg, and harvesting the crop; the amount of the crop determined by actual measurement; and the expense of cultivation. The land shall be measured by some sworn surveyor, and the claimant of the premium. with two other persons who assisted in measuring, shall certify under outh as to the quantity produced from the piece of land mentioned in the certificate of the surveyor

MAPLE SUGAR--50 lbs.

required to furnish a statement of the manner of making and clarifying the suger.

DISCRETIONARY PREMIUMS

will be awarded for such implements and products, not enumerated above, as shall be deemed worthy o notice and encouragement.

HORTICULTURAL PRODUCTS, &c.

The list of premiums on horticultural and household products will be published next month.

PREMIUMS FOR ESSAYS.

I. The best popular treatise on Agricultural Chemistry \$100 II. The best essay on the Rotation of Crops, best suited IV. The last essay on the introduction of New Agricul-

tural Products, c best essay on the Management and Application of Manures, V. The be

TO ARTISTS.

To the painter of the best specimens of Original Pertraits of Domestic Anima s= A Gold Modal.
 To the engraver of the best specimens of Portraits of Domestic Animals on Wood=A Gold Medal.

PUBLIC SALE OF STOCK.

On Friday, Sept. 30, there will be a public sale of stock; go tlemen wishing to dispose of their stock are requested to enter them with the Recording Sec retary previous to the 15th Sept., that the cat dogues may be prepared in season.

RULES AND REGULATIONS.

Applicants for premiums are requested to pay par ticular attention to the notes attached to the premiums on Dairy Cows, Fat Cattle and Fat Sheep, Butter and Cheese, Field Crops, Maple Sugar, and to the follow ing regulations.

All persons who intend to exhibit cattle, horses the mode of cluttning, winter and summer: the methd of freeing the butter from the milk: the quantity
and kind of salt used; whother saltpetre or any other

15th September, in order that the necessary accom-

moditions may be made for them, and all animals must be on the ground by 9 o'clock of the 28th.

All persons intending to compete for the premiums u plows, must send their plows to the Recording Secretary, Albany, previous to the 1st of August next, that the committee may have opportunity to test them thoroughly, and at such times and places as they may think best, and be prepared to report at the Pair.

All other agricultural implements must be sent as above, on or before the 26th of September, that the committee may have an opportunity to test them the day before the exhibition.

The statements required from those who compete for field crops, must be sent to the Recording Secretary, Albany, previous to the 1st of January, 1843, and the premiums will be awarded at the annual meeting of the Society, on the third Wednesday in January.

It is very desirable that all those who intend to compete for the premiums on buster and cheere, maple sugar, cocoons, silk, &c , should have their specimens in Allany early on the morning of Sept. that they may be deposited in their appropriate places, and the rooms suitably arranged on the day previous to the Pair.

All premiums will be paid in each or plate at the option of the winners.

The premiums for essays, to artists, and for agricultural implements, will be open to the United States; but all others will be confined to residents of this state. who are members of the Society, or who may become so by the payment of one dollar on entering their or-

Competitors for the premiums on essays must forward their manuscripts to the Recording Secretary, Albany, previous to the first of June, 1842, tree of postage.

A Doubter.

The philosophic Tucker divides markind into two great families, the Knowalls and the Searches. Our correspondent S. W. places our friend David Thomas among the latter, a very respectable connexion indeed, but not a numerous one. We suspect that some of the same blood runs in his own veins The Knowalls in this world have a remarkable comfortable time of it; but the Searches, a meddlesome set of does, are always making difficulty for other people and never satisfied themselves. O! for a pope and an infallible church-in agriculture we mean-certain'y we would not say any thing about a Babylon'sh lady, whose character and pretensions have been among the saints so long a matter of discussion. But if we only had an infallable agricultural bend, every thing would be oniet and comfortable; this terrible inhabed would cease; and our quills, instead of being worn to the stume in inditing many a goose's lucubrations, might repose quiedy in the wings of those branches of the family to whom they originally belonged.

"D'Alembert said that the fist qualification for a Philosopher was the faculty of doubting. As marveloueness induces us to embrace every absurd improbable theory, so does the faculty to doubt enable us to scon every theory, both by the tests of scientific proof and the soher lessons of practical experiment. David Thomas is clearly one of the number of those individuals in whose mind this cardinal qualification of the philosopher is most fully developed. In some of his communications on botany, he has sometimes noticed the small blunders and marvelous concerts of certain connoisseur writers, with a spice of humor and pleasantry suited to the nature of the offence; but in this address, given in this month's Farmer, which relates to the all important theory of the nature and action of manures, he has taken up the theory of Professor Liebig, in relation to the mysterious action of plaster on vegetation, and shown most conclusively from his own experience, and the general experience of our whole rural population, that the theory of the learned professor is at least shaken by long estublished and often repeated experimente. S. W."

It is a curiosity to find a man who places too low an estimate on his own abilities.

Sugar from Indian Corn and Stearing from Land.

We have received from the Commissioner of Patents always on the alert to collect and diffuse useful informration, an E-say on the manufacturing of Sugar from the earn stalk by William Webb of Wilmington, Del aware; and a communication on the subject of Oil and Steamne from Land-in a pamphlet published by the National Agricultural Society. They are highly interesting and valuable. We shall select only those parts which are directly practical; omitting such as may be considered too scientific for peneral readers. The prospects which they hold out, especially in respect to the product of sugar from majze, are very highly encouraging. The first step only in the process is as yet taken; and especially it remains to be seen what are to be the expenses of the process. I is confidently stated that eight hundred or a thousand pounds of sugar may be produced up in an acre of corn, planted as Mr. Webb directs. We shall be ready to believe it when it is done; in the mean time we design not the slightest impeachment of Mr. Webb's integrity and intelligence, and entertain no distinst or doubt, which should interfere with the immediate and faithful trial of the experiment. Heaven grant that these expectations may be realized on the core of hismanuty if for no other reason, if human comfort is taxed and human life used up so cruelly and so prodigally, as it is in this pamighlet represented to be in the manufacture of augar from the cane,

"I have left consolerable interest in the plan for extending the cultivation of sugar in temperate changes, and have made using you i more; hast, upon toe Bert, and recently upon Maze, or Ladan count is the lope of decovering some node by who had deeped and might be attained. The results from the three plant have been extremely concountaging. The manufacture of sugar from it, compared with that from Bert, often an advantages. It is more simple, and less hadde to balure. The machinery is less expensive, and the anomat of had required to less by one-half. The quantity of signar production a greater granty.

"The raw juice of Maiz, when cultivated for su ger, marks low on the saccamount ter while the aver age of cane price (as I am informed) as not higher tion S', and beet juice not over 32. From 93 qts, (dry measure) of the former, I have obtained 4 pound to mes of syrup, e menuated to the pent sunfill for crystal zanon. The proportion of crystalizable for crystal zation. The proportion of crystalizable sugar appears to be larger than 10 obtained from cone juice in Lamsana. This is accounted to thy the fact. that our climate ripens corn p rfeedy, while a bar rarely if ever happens that came is fully instituted. In some cases the symp has crystalized so completely, that less than one sixth part of malases remained. This, however, only happened after it had stood from one to two months. There is reason to believe that if the plant were fully tipe, and the process of mann facture perfectly performed, that the syrup neight be entirely ervstalized without forming any molasses This perfection in the manufacture cannot how ver be attained with the ordinary apparatus. Without any other means for pressing out the juice than a small hand-mill, it is impossible to say how great a quantity of sugar may be produced on an acre. The experiments have been directed more to ascertain the earcharine quality of the corn stalk, than the amount a given quantity of ground will produce; but the calculations made from trials on a small scale, leave no room a doubt that the quantity of sugar will be from 800 to 1.000 nounds. "Another made of caltivation, to be employed in

¹² Another mode of caltivation, to be employed incombantion with the one first proposed, consists simply in resing a genter number of plants on the same space of ground. By this plan, all the unfavorable results above monitored were obvirted; a number larger quantity of sugar was produced, and of better quantity.

"The inice produced by this mode of cultivation is remarkably pure and agreeable to the trate. Sampleof the sugar yielded by it are now in the Pattod's fice, with a small hand-mill by which the stalks were er shid.

"On the whole, there appears ample encouragement for perseverance; every step in the investigation has increased the probabilities of success—in ev-

dence lawing been discovered why it should not sucred as well, if not better, on all tige scale, than it has done on a small one. In the first place, it has need satisfacturely particly, that sugar of a well-in qualary, smalled for common use with at tertiming, in all mode from the stalk of Maize. 23. That the judge of this plant when cultivated in a contain manner, contains such barrier matter remarkably free from foreign substances. 3rd. The quantity of this judge, (even approximate what is other evidence about it) is sufficiently demonstrated by the great motion of authorize gram which it produces in the natural course of vegcitation.

"It is needless to expitiate on the vast advantages which would result from the introduction of this man ufacture into our country.

" Ginin is promised in the West, in such overflowing abundance, that the nankets become glatted, and inducements are offered to employ the surplus produce This business is now becoming dis m distillation. The Loppy conviction is spreading rapidly, that the use of arcohol as a beverage, metend of onducing to health and strength, is the s arest means of destroying both. Some other production, there-tore, will be required, in which the rowers of our soil may be produidly employed. This, it is hoped, will be bound in the business now proposed. Instead of listdieries, converting food into poison, we may have sugar houses, manameturing at our doors on article in universal demand, not merely useful, but necessary; furnishing as it does one of the most simple, natural, and nutritions varieties of human suster ance, found in the whole range of vegetable production. It is said that the general use of sugar in Erroge, Las had the effect to extinguish the seurcy, and many other dis-

cases formedly epidemical.

The time of the crop in the sugar island, (says Edwards.) is a case not gladones and festivity to main and least. The measire and sickly maning the neurose such for a supersing slicitation in a few works after the mild is set in actoin. But though the use of sigar is attended with all these agreeable officers, there is no agreeditural production furnished in a organic secretic of human life. The reasons of his mortally may be found in the clumate, and the peculiar situations in which cane is cultivated. How much then will be taken off the load of human suffering, if this attach can be produced in more temperate and he although goos? I'm wade praries, and tertthe alluval vall ys of the West off ir an ample field, inch with all

the elements of spreads.

"It may be doubted whether a tropical country can ever farmed a great amount of exports, except through the means of compolisty labor. It appears then, highly probable, that if the inhabitants of temperate countries what to continue the use of superate grounds that some means to produce it for themselves. The Beet appears to succeed will an Europe, and the numulation from it its extending rapidly. But there is no bound in making the assert on that Indean corn is far better adapted to our purpose.

"The following mode of cultivating the plant, and urding the sugar, is the best that can now be of-

leted.

"The kind of coll best adapted to corn is so well understood, that no direct ons on this point are neves sary, except that it should be right, the refer the better; it not instaally lertile, manner must be a place other plonghed in or spread upon the sunface, or placed to the ways, according to the ability of the owner. Nothing can born a better preparation for the etop, then a obver sod well turned under, and hirrowed line immediately lafter planting.

"Select for se of the burgest and I best case of any

"Select for s ed the largest and lest cars of my writer of corn not disposed to throw up suckers, or pread out in branches; that kind most productive in the neighborhood, will be generally the one best adapted to the purpose. The planting should be done with a diding machine. One man with a pair of lorses, and an instraine not of this kind, will plant and cover, in the most perfect manner, from ten to twelve acies in a day. The rows (if practicable, let them run north and routh two and a half feet apart, and the seed dropped sufficiently thick in the row to insure a plant every two or three inches.

"A large harrow made with teeth arranged so as not to injune the corn, may be used to advantage soon ofter it is up. The after culture is performed with a culturator, and here will be perceived one of the great divantages of duffling; the plants all growing in lives, perfectly regular and straight with each other, the horse-live situs the earth and cuits up the weeds close by every one, so that no hand-hoeing will be required in some there.

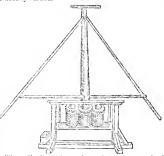
only part of the cultivation.

This a part of the system of cane planting in the receiver. Con june has been kept for one hour Louisiana, to raise as full a stand of cane upon the before boiling, without any apparating;

ground as possible; experience having proved that the most singur is obtained from the land in this way." As for as in yexperience has gone, the same thing is time of corn. This point invest therefore be attended to, and the deficience, if any occur, made up by timely replaining.

"The next operation is taking off the ears. Many stalks will not preduce any, but wherever they appear, they must be removed. It is not best to undetecke this work too early; as when the ears first appear, they are tender, and cannot be taken off without breaking, which mercases the troubles. Any time before the formation of grain upon them, will be soon enough.

Nothing further is necessary to be done will the crop is ready to early or early to early for early conformed. In our lawted, the enting may commence, with the earlier varieties, shout the middle of Angust. The later kinds will be in, e in September, and continue in ressen until out off by fost. The stalks should be topped and bloded while sanding in the field. They are twen out, tied in bundles, and taken to the mill. The tops and blade, when projectly cured, index excellent fielder, ratter better it is believed, than any hitherto used; and the residuoin, after passing the rollers, may easily the dried and used in the same way; another advantage over the sincy which, after the joice is expressed, is usually bunned.



The milis should be made on the same general prin cyle employed in constructing those intended for stinding cane. An important difference, however, will be lound both in the original cost, and in the expense of working them. Judging from the comparnave hardness of care and coin stalk, it is believed that one fourth part of the strength necessary in the construction of a case mill, will be amply sufficient for core; and less than one foorth part of the power will move it with the some velocity. It may be made with three upright an deniblers, from twenty to forty inches in length, turned so as to run tive, and fitted into a strong frame work, consisting of two borizontal pieces sustained by aprights. These pieces are mortised to admit wedges on erch side the pivots of the two outside rollers, by which their distances from de middle one may be regulated. The power is ap-It ed to the midd'e roller, and the others are moved from it by means of cogs. In granding, the stalks pros through on the right side of the middle cylinder, and come in contact with a piece of frame work cal hid the domb returner, which directs them backwards so that they pass through the rollers again on the enposite side of the middle one. (See cut.) The medhor zontal rollers arranged in a triangular form, one shove and two below, the care or stalk passes directiv through, receiving two pressures before it escapes. The lower cylinders are contained in a small eistern which receives the parce. The latter machine is the most complete, the former the least expensive. These m.hs may be moved by cattle but for large operations, steam or water power is preferable. When the vertical cylinders are morred by cuttle, the axis of the middie one has long levers fixed across it, extending from ten to fifteen feet from the centre. To render the arms firm, the axis of this roller is carried up to a considerable height, and ob iene braces of wood by which the oxen or horses draw, are extended from the top of the vertical axis, to the extremities of each of the When horizontal cylinders are propelled by animal power, the upper roller is tarned by cegs at one end, which are caught by cogs on a vertica shaft, It is said that in the West Indies, the purest cane mice will ferment in twenty minutes after it enters the receiver. Corn ince has been kept for one hour at so much delay is not desirable, as it may be at inded with bad effects.

"Tue process which has been employed in the annincture of Marze sugar, is as follows : The inice. er coming from the mill, stood for a short time to posite some of its coarser impurities; it was then oured off, and passed through a flannel strainer, in der to get rid of such matters as could be separated this way. Lime water, called milk of lime, was sen added in the proportion of one or two table cturers, that knowledge on this point can only be equired by experience; but I have never failed in king sugar from employing too much or too little the line. A certain portion of this substance, owever, is undoubtedly necessary, and more or less an this will be injurious; but no precise directions in be given about it. The juice was then placed ver the fire, and brought nearly to the builing point. hen it was emefully skimmed, taking care to comete this operation before ebullition commenced. It

ns then boiled down rapidly, removing the seum as The inice was examined from time to time. nd if there was an appearance of foculent particles hich would not rise to the surface, it was again pas d through a flaunch strainer. In judging when the grup was sufficiently boiled, a portion was taken beeen the throub and finger, and it when moderately ool, a thread half an inch long could be drawn, it was onsidered to be done, and was poured into broad shall ow vessels to crystall.z. In some cases crystallizaon commenced in twelve hours; in others, not till er several days: mud in no case was this process so r completed as to allow the sugar to be dinined in ss than three weeks from the time of boiling, enson why so great a length of time was required. I nt that an improved process of manufacture will ause it to granulate as quickly as any other.

" Enough loss been said to enable any one so disposd to manufacture sugar from Maize, either an a large ra small scale. As to the profits of the business, I and make no positive assertions; experience on the ubject is yet too hanted to warrant them; and as all ie facts in relation to it are now before the public. very one interested can draw his own conclusions. is said by those ac prainted with the cultivation of e cane, that that business cannot be carried on protably on less than one hundred acres in crop, and int attempts on a small scale will be certain to fail ith a great loss of time and labor. How far this my be applied to corn, remains to be seen.

"Some comparison between the cultivation of cane

ad that of corn may perhaps be interesting.

"The cane lands in Louisiana are redeemed to griculture, by strong embankments along the river, nd by numerous ditches, which extend back into the wamp to a considerable distance beyond the line of The ground is still further divided by altivation. maller ditches into lots of from one to two acres in xtent. It is extremely rich and productive; but the spense of draining, and keeping up the embankients, must be very considerable; this forms the rst difference to be noted in the culture of the two lants under consideration.

"The best season for planting cane in Louisiana, in the fall, which is also the time of harvest, when mor is most valuable, and the greatest exertions are equired to secure the crop before it is destroyed by st. But the most striking differe ee will be found the cost of seed, and in the labor of planting. ane is propagated by layers; these are partly fur-ished from the tops of the plant, when cut fer grindng, but are principally ratioons. Of the latter, it remires the produce of one acre to plant three. rain from one acre of corn will be sufficient for plantng forty acres. Therefore, the difference in expense or seed, will be as one to thirteen.

"In planting cane, furrows are made with the lough from two and a half to three feet apart; in hese the layers are placed in a double row, and the arth drawn over them with boes to the depth of three r four inches. In the spring, before the plants are p, this covering is partly scraped off, so as to leave

bem buried from one to two inches.

"From this account, it is evident, that no more nanual labor will be required to drill fifty neres in orn, than to plant one acre in cane. The labor of ultivating the latter plant during its growth, is also rester; but this may be balanced by the extra work equired to take off the embryo cars from the corn. When cultivated in the mode recommended, the stalk f corn is soit, remarkably heavy, and full of juice com bottom to top. The amount of power required or grinding them must be much less than is necessary

for cane-or, what is the same thing, an equal power will done with greater rapidity. The average yield of cane in Louis ann, is one thousand pounds of engal, and forty five gallons of molasses per acre.

ppear that one half this amount of crop from cornwould be equally, if not more profitable.

I will only add in conclusion, that whether or not sugar from the corp-stalk may soon become an article of profitable export-its inmulacture in the simplest form will enable every family to emptly themselves with this niticle for common use, now become so which a necessary of life, and thus save a considerable bill of expense yearly paid for foreign sugmis.

(Translated at the Patent Office, and highly con firmatory of Mr. Webb's Essay.

H. L. ELLSWORTIL) Extract from Annales de la Societe Pulutechnique

Pratique, No 22, for October, 1-39.
Sugar or Cons. - There is no plant of greater general inverest or utility than Indian corn. serve, under a great variety of different forms, for as acisbratent of man and the dimestic uniquals, and shove all the numbertion of industrious science.

In reference to its succharine qualities, Maize has not been sufficiently appreciated. Travellers report, that under the tropics the stalk of this plant is so very necharine that the Indians suck it as in other places hey do the sugar cone.

M. Pallas, who has made a great many researches on this application of Maize, has arrived a . a remarkable result-be has found by many experiments both in France, and more recently in Africa, that this vegtable, by a simple modification applied to its culture, sable to furnish a much more considerable quantity of sugar, then by the ordinary method.

This method consists in detaching from the plant, immediately after the fecundation of the ovaries (after the plant has tasselled) the young car, and to leave it to develop itself thus deprived of its fruit Arrived at maturity, the stalk of the Indian corn contains crystalizable sugarin quantity very often double that obtained when the plant is left to mature with the grain. In fact, by the ordinary mode of culture, the grain is nourished at the expense of the sugar in the sulk, as it absorbs a great quantity of this immediate principle, which, by the process of nutrition, is converted into starch. On the other hand, if the young ours are immediately destroyed, the sugar intended to nourish them remains in them where it accumulates, and the Maize plant is thus converted into a true su gar cane, while the fibrous part can be manufactured nto paper.

The quantity of sugar is so very great in the stalk of the Maize deprived of the ear, that the pith of this vegetable retains a sensible flavor of sugar even after it has been dried, as is easily proved by examining the specimens deposited by M. Pallas in the Bureau of the Academy of Sciences, These results are so important as to merit experiments on a grander scale, which may obtain thus for France a source of new industry in the manufacture of sugar.

We give no extracts on the subject of obtaining Stenrine from Lard for the purpose of making candles equal to wax, as it would not be generally intelligible and is adapted to the manufacture upon rather a larger scale than could be used in families, as the patentee advises that " To operate with advantage, the vessel in which the boiling is effected should be of considerable enpacity, holding say from ten to a hundred barrels"-or about as large as a common log cabin We have no reason to doubt the success of the process.

Carrots.

These are one of the most important crops a farmer can cultivate, whether for his dairy, young stock, sheep or swine, or whether they are considered as a erop which yields rich remuneration for his labor, or as one leaving his land in a healthful and active state when taken off. They succeed as well, and perhaps better, when sown successively on the same soil for many years. The ground for them should be deeply and thoroughly pulverized, and then they will send their long roots to a depth which the spade has not penetrated, thus to some extent, imitating the work of the subsoil plough by breaking the hard soil beneath

Carrots for stock should be sown early, before the

spring and summer droughts, which are very injurious to them, come on. The best minure we know of for them, is that recommended in No. 2, precent vol. of "From the above comparative statement, it would | N. G. Farmer, for gardens. If this is not convement, mould from the wood, answers a very good purpose. They must be thanned endkept very clean, which in fields may be done with a corn barrow or cultivator.

Mount Osceola, April, 1842.

Mulberry Trees and Sitk Culture.

An old friend of ours, Geo. Dickinson of Deerfeld, Mass., desires us to say that he has 100,000 of uniberry trees, of the Canton, Multicaulis, Moretti, and several bardy varieties, which be would be glad to dispose of on the most reasonable terms. The pub-lic mind must presently be aroused to the importance of silk raising and this most invaluable article of cul-The monthly and incredulity of the public in retitre gard to it is declarable. They seem now like a tired and foundered horse, whom you can neither by coax-They seem now like a tired ing or driving even get into a trat. What may be accomplished under a new ruler and since the Comnissioner of Patents" has mounted the silk horse, with bright spars and a new whip, we shall see. We only add that whoever deals with Mr. Dickinson, may, we are satisfied, rely entirely upon his bonor.

The Le Roy Female : eminary.

MR. EDITOR-In some of the early numbers of the New Genesee Farmer, a correspondentatiompted to show that Female Seminaries of the present day are unsuitable places for farmers' daughters, and that a modern liberal education is colculated to make them dissatisfied with their country homes and rural life; and in your intercourse with the agricultural community, I doubt not that you find the same opinions quite prevalent, especially among those who, being destitute of a good education themselves, are ignorant of its true value and influence, and know nothing of those institutions against which they disclaim.

It is not my present intention to expose the fallacy and injurious tendency of such sentiments, but merely to express a regret that all who cherish them could not have the privilege which I enjoyed last week, of witnessing the examination at the Le Roy Female Seminary, under the maiagement of Miss Emily E. Logham, Principal. The catalogue of pupils for the past year shows the number to have been 232. The winter term closed on the 15th of April, with four days public examination. Each class in the school was examined senarately and thoroughly in the various branches of study, and each pupil, excepting the junior class, read a composition of her own production. The proficiency and depth of research manifested by the pupils in their examinations, and the knowledge, talent and sentiment displayed in their compositions, reflected the highest credit on the teachers, and gave conclusive evidence that they had been eminently successful in their avowed aim, "to make thorough scholars, in lependent thinkers and reasoners, and useful members of society.

Many of the pupils are farmers' daughters, and if their parents were asked whether they think the instruction imparted at this institution is "calculated to make them discontented and unhappy," I have no doubt their reply would be in substance like the expression I heard made by a worthy farmer from Livingston, who had come to witness the examination and take home two lovely daughters, in parting with the principal an I teachers his last words were, "my only regret is, that I have not more daughters to send you."

The next term of this Seminary commences on the first Wednesday of May.

Bee his Report in our last num e

sec Faraur.

FLOWERS.

The following is a pretty houset received from fair hands. which, we hope, will call others for our use, even sweeter and more fair.

For the New Genesee Farmer. The following lines were suggested by the perusal of an article on F1 riculture in a late number of the New Gene-

> I love the flowers, the fair young flowers, Where'er their dwelling be; Though springing in the mountain side-Or 'neath the greenwood tree.

Though found in each sequestered nock, Of every woodland shale: Or blo ming, 'mid the gay parterte, By tasteful fingers made.

A pleasant task it is, I ween, The fragi e things to rear, Whose wealth of verdant leveliness, Life's weary hours may cheer.

To watch the opening buds that spring, Neath summer's genial showers; Fach striving in its blushing pride, I'n b'oom the fairest flowers.

And when at last the blossome lie Al witherest at our fee , And lavish on the presing breeze Their perturned odors sweet;

There cames from every fading flower A lesson for the heart. That earth's most fair and love'y things "The sounest must depart."

"For voiceless teachers are they all," And emblems too, of youth, Its days of infant purit Its trusting years of trath.

And like the human flowers that spring In Learning Yournal on Theor has Till. fiel no from our sight away. We know not buf their worth.

J. L.

Rural Life and Pleasures.

MILL COLMAN-

Your correspondent Zelin, says that our data and interest should prompt us to bestow our co operation to make your columns instructive and interesting : and that this cannot be fully attained unless your female readers render some assistance.

With an imperfect education, I feel much diffidence in presenting you this communication. But since my education thught me to perform every known duty, I am most happy to render my part, humble as that may be. The offering, if not accepted for its intrinsic value, may be welcome for the good intentions which dictate it. I have not the vivid inaugination and enviable sensibility of W. B., nor the fund of interesting idens of Zelin; but I hope I may be allowed to claim for myseli a grateful and holy reverence for my Crcator, and a thirst for improvement in science, in litersture, in floriculture and horticulture, in rural and domestic economy, sud finally, in every thing that pertsins to the development of human virtue, the advancement of good morals and the present well-being and future happiness of mankind. An attention to flowers and shrubs, serves to inspire a taste for natural beauty every where, and for all that is delightful and levely in the works of our Creater. It is our duty to cherish and strengthen and nourish the benev olent affections, and a sympathetic attachment for all that surround us. Much certainly is to be done for many of us, in order to prepare our minds for enjoyment in the works of nature, in crasing our false ideas and prejudices in relation to the true sources of our best and purest pleasures. A numble through the green fields and over the hills, may be prompted by mere listlessness or accident, or if you please, by romance or inshion; and without some cultivated taste for rural scenery or some sympathy with nature, we may not icel in such asse a single emotion of heart telt enjoyment, nor one grateful or reverential aspira

and exquisite and countless forms of beauty which are spread around us.

But we cannot expect every one to look upon nature as in every department and object alive with the presence of God, nor to feel deeply conscious of the great source from whence these pleasures flow, and bappy always in this recognition of the divine goodness. But I should rejoice, if any motive, even of an inferior character, would induce them to spend some part of their time in the fields and the garden and theforests, by the silver stream and by the mirrored lake, rather than that they should not do it at all. But in order to inste the deep and exhaustless fountains of pure bliss, enclosed, it I may so say, within the folds of every shooting plant, or under their full developed leaves, amidst all the secrets and all the wonders of vegetable life, we must feel and reflect and meditate upon the design and intentions, for which their author formed them, and the sublime and happy influences, with which they are capable of inspiring our minds. It is with peculiar pleasure I peruse an occasional line from the pens of a few of the many gifted females of our happy and privileged country. May they dig deep for the the rich stores of intellectual wealth within their reach, and have them forth to adorn and bless the community. They cannot exert their talents too much in order to render rural scenery attractive and rural life delightful; and to show how much its pleasures and privileges are to be coveted.

Happy is the condition of that rural retreat, where the peaceful labors of agriculture and the calm pleasures of country life divide the hours; where abundance comes as the honest compensation of labor; contentment springs out of an innocent mind and a guiltless conscience, and simple mirth and youthful glee are but the poursegs out of a full heart, like the bubbling and sparkling waters from a gushing spring, It is delightful to see the love of nature in her simplicity, in her beauty, in her variety, in her grandeur, in her glory, highly cultivated and strengthened; to pour our hearts out in grateful admiration and wonder nt the exhibitions and test monials of the divine bounty in the fl-wers, the forests, the fields, the fountains : in the multiplied forms of life every where crowding upon our sight, and every where manifesting their own emovment of existence; in the budding and flowering foliage of spring, in the golden and ripened harvest, in winter's glittering mantle, in the reddening dawn, in the gorgeous senset, and in the star spangled night. When to such tas'es as these are added stores of intellectual would, constantly increasing, the charms of unbroken and warm domestic affections, the minging of sympathetic hearts, which in every kind and every elevand emotion, vibrate in barmony, and with all a deep and grateful sentiment of dependance and duty to the great and exhaustless source of all happiness, where on earth shall we look for a condition more privileged and bles-ed; what stimulants does it farnish to virtuous industry, and what alleviations to those pains and afflictions which are inseparable from our humanity.

FLOR A

Zelia .- Demestic and Political Leonomy ... Buial Taste, &c.

Mr. Cot MAN-1 felicitate you on the acquisition of such a female correspondent as Zelia; her lessons on fomestic economy if lived up to, will do more towards earing hard times, and commencing a healthy social reform, then a hundred essays on political economy, or twice that number of common-place high tariff or home league resolutions; in fact, stern neces ity alone is now dealing with the people, and bringng about that state of things which Zelia would effeet by moral sussion, and the beauty of her own in

non of the soul to besven, for the infinite abundance | dividual and may I not say, truly intellectual exnumble.

> Since "foreign goods and trinkets" cannot be paid for any longer in paper contrivances, prices in New York have fallen so unmously low, that next to none will now be imported for the remainder of the fiscal year; and the great puzzle now is with our national financiers, how they are to raise a revenue at all, if they increase the present tariff of duties, since large quantities of foreign goods are now being reshipped to avoid the payment of our present tanti; what a blessed thing it is that all foreign balances against us can now only be paid in coin, as nothing short of this would have stopped importations; a call for special strikes at the life of our Banks, and they are so averse to dying, that they had rather see all the ladies in the country go without brounde shawls and velvet closks, than to lose even a mortie of their coin.

Who is so blind as not to see in this state of things a better and more lasting encouragement to silk culture and home industry, than all the special legislation Congress could bestow in the shape of high tariff. or still more senseless retaliatory restrictions? "What has England's high tariff restrictions done for her, but increase the volume of her population, her paupers and her poor rates? Her manufacturing industry has been stimulated by protection, until it was necessary to give to her ngriculture like protection, in order to make her independent of other nations for bread, and also to stimulate the home market for her surplus manufactures. Let us then in these United States, with our vast territory, our endless rolling prairies, and superior suntry climate, be slow to think that we have the same need of restrictions on trade, as little, cold, wet, over populated Great Britain!

Zelia inculcates domestic simplicity and economy, in a manner which snews that she has arrived at the corner stone of political economy almost without knowing it; her lessons show that simplicity in domestic arrangement, is the true bandmaid to mental culture, that meretricious display and fashionable excess, can hardly conceal vulgarity of mind, or make up for a deficient education. I hope Zelia will write often for the Farmer; let her tell her log house sisters, to keep their scenty farmture "bright and clean": a little white wash both within and without, a clambering vine, a grass plot, a garden with a few flowering shrubs and plants, will speak a much better civilization and mental culture, for the unknown inmates of that cabin, than the most ambitious farm house in the land.

Ploticulture .-- Campanula rotundifola.

Mr. Cours - I have ever read with a great deal of interest the articles in your Journal on the flowers of spring, summer and antumn.

I have admired the unbiassed indement and fine taste, which led the writer of those sketches to place -not only in his garden, but in his list of flowersside by side with imported exotics, our native Hepatica triloba, Sanguinaria Canadensis, Lobelia cardinalis, and even the neglected Wacrotrys racemosa, and many other native benuties usually overlooked

But I have looked in vain for any reference to one lovely indigenous flower, and can only excuse this neglect of my favorite by supposing the gentleman i stranger to its existence. If this be true, I am certain he would not object to an introduction.

If on some bright day in June, he will go with me while my oxen rest from the plough, to one of the woody uplands of Genesee county, where the underwood is thickest and the soil so mixed with flints that a blade of grass can hardly grow, we should occasionally discover a little blue hell about the size of an teorn hanging on a stalk a few inches in length, and so slight as to be moved by every breeze. If he will en return with me, I will show him the magical ef-

Two sensons have passed since one of these wildwers was transplanted to our garden. I bardly pected to see it live; but in the place of one low alk, and one bell, from that same root we had, latamer, from June until October, a succession of wers growing on stalks from two to three feet high, ad often three bells on a stalk. I one day counted

Notwithstanding the change in the flower-stalks, bells seem in no wise clanged, but tetain all their ignal deleacy, thus proving to a demonstration that by have not, like many other belles, been injured by unitation.

In know not its botanical name, or if it have any an admire it without one—but it has beauty enough ttainly, to compensate for the longest and homeliest me that any Botanist ever invented.

Le Roy, March 11th, 1842.

The plant to which our correspondent refers, is one tich we think from his account, we have seen a damired, and which we suppose claims the tanical name of Campanula rotundifolia or Flax all-dlower. Its name, campanula, signifies its bellege. It is among a class of flowers easily transier it to the garden, and greatly improved by cultivan. Beck's Botany describes it thus: Stem, S-12 thes high. Radical leaves cordate (withering rly). Florers few, large, blue, in a loose terminal nide or raceme. (If E will send us one of the bassoms when they appear, in a letter or paper, he ill oblige us, and we can ascertain the name.)

Large Breed of Hogs in Clyde.

Clyde, February 21st, 1842.

B. Editor—

DEAR SIR-I have a breed of hogs that grow to a ge size, one of which about two and a half years it I killed on the 14th inst., that weighed when essed \$9.3 lbs., of which 74½ lbs. was lard, and the ms weighed 56 lbs. each.

I commenced feeding him shout the middle of brember with peas and corn, at which time he was low condition. When alive, he measured 6ft. 8 in. nund his body just back of the fore shoulders. The ight of this animal sounds large to us in this neighthood; and if you consider him deserving of it, a will no doubt pay him the compliment of a noise in your useful paper, the New Genesee Farmer.

Your ob't servant,

JOHN POTTS.

This hog certainly deserves a memorial, and is rthy of being an Emperor among his own countryin. He must have taken a lesson of the frog, who to to equal the ox, but with a good deal more eneand without ending in the same unhappy exploin. He was as heavy when dressed as had the
in that are killed. Our correspondent does not
e his breed of swine a name; and it might be
smed uncivil to call them the Potts breed; but con
ering the value of such pork for boiling, we might
forgiven if we should call them the Pot Bresd.

**at's "doing the thing to a t."

The Ne Plus Ultra.

Since giving a notice of the Clyde Breed of Hogs in Mr. Potts, we have received the subjoined from orrespondent in Maine. The Yankees may well this the 'Beatem;' and it will be a small affair any other state to talk of 'going the whole Hog' or this. The amount of loss in killing is very small alcontradicts the usual experience.

Maine Pig vs. Genesee Pigs.

Mr. Adams, in the last number of the New Genesee
times, says "Mr. Marks had four Berkshires which
ighed 1338 pounds, and Mr. Corter's two weighed
id pounds, when twenty months old." Now, Mr.

More and lines of the most graceful expansion; sometighed 1338 pounds, and Mr. Corter's two weighed
in pounds, when twenty months old." Now, Mr.

Editor, I have a tale to tell worth two of that. Mr. Jameson, of this place, vesterday killed a pig twenty two months and twelve days old, which weighted alive 1010 pounds. Dressed he weighed 905 ths without the caul, that weighed thirty eight and a half pounds. Making his whole weight 9131 pounds-a loss of only 661 pounds. He was a cross of the Berkshire and Bedford-girted seven feet, and was five feet and about ten inches in length. His keeping till September last, was not high or expensive. Six bushels of potatoes and two of meal, with weeds and the spare milk of three cows, lasted him and two breeding sows of the same age, two weeks. They were fed but twice a day. The potatoes were boiled, mashed up in a large tub, the meal added and water enough put in to make it quite thin. In addition to this feed night and morning since September, he has had three quarts of corn at noon.

Your ob't serv't

WM WATERMAN.

Cornish, Me , Morch 25, 1842.

Ornamental Trees.

[From Colman's Fourth Report.]

The cultivation of ornamental trees ought to be strongly pressed upon the farmers. " Put a tree down; it will be growing while you are sleeping Many of them enrich the country; all adorn it, and thus essentially increase the value of an es tate, and render the country more healthful as well as beautiful. Every place on a farm, where they can grow without injury to the crop, ought to be planted with trees. Timothy Walker, of Charlestown, Middlesex county, lately deceased, left a legacy of some hundred dollars to be expended in planting ornamental trees on some of the great reads in that town. This was a noble bequest; and places him among the benefactors of the community. It is an example worthy of imitation. A taste for the beauties of natural scenery cannot be too much cultivated among us. A taste for natural beauty is closely allied to a taste for moral The more attractive our homes are rendered, the more shall we love our homes; and the love of home is the parent of many kind and noble affections.

A taste for natural beauty is an original element of the mind. It may be strengthened, elevated, and enharged by education; but it appears even in the rudest minds, and thus speaks its divine origin. I believe the perception of beauty exists in all animals; or why should they have been made so heautiful?

Natick in Mdidlesex Co., was the seat of the first christian mission to the Indians, where the benevolent Eliot, designated as the Apostle, sought to pour into the minds of these children of nature, benighted with the thick darkness of superstition, the heavenly rays of inspired truth. Elict was followed by a worthy successor. Oliver Peabody The Indians appreciated the blessings of the reli gion of peace and love which he taught them; and in gratitude for his services, these sons of the forest, to whom the trees seemed as their own kindred, came in a deputation bringing two elms, and asked leave to plant in front of the humble dwelling of the missionary these "trees of friendship." This was in 1722, and these trees stood for ninety years, when one was rived by lightning, and the other seemed to perish through sympathy. When the successor of Mr. Peabody, Mr. Badger, was settled in 1753, the Indians offered the same token of respect and the same pledge of good will to These trees are still in full vigor, and remain as beautiful monuments of affections, which have gone out on earth, but are destined to be rekindled and burn with a purer flame.

Nature is every where producal of beauty, as if she would stimulate the passion for it to the utmost extent. Among the varied combinations of charming objects, which mingle in a rural land-scape, the trees are preeminent. Sometimes vising in single cones so exact and symmetrical in their form, that they seem the perfection of art; sometimes spreading their umbrageous limbs in curves and lines of the most graceful expansion; sometimes bending their boughs to the earth loaded with golden and crimsoned fruit, and when the sun

inapt mage of that sacred bush where the divine presence wrapt itself in robes of fire; sometimes een in long smale lines skirting the traveller's path; sometimes in beautiful clumps and clusters, affording a grateful shade to the panting herds; at other times in the wide spread forest, shading a valley with their deep and black green; here again burnishing the mountain's side with their thick and matted foliage; now in autumn robed in the gorgeous vestments of more than oriental magpificence; and often in winter bending under their piled-up fleeces of snow, or glistening with matchless splendor when cased in ice and changed into a crystalforest of glass and diamonds; in all these ses how suited are the trees to charm the eye and delight the mind! Why should not the eye be charmed! Why should not the imagination be delighted! Why should we not take pleasure in the beauty of God's works! Why should we not do what we can to make our homes continually more and more beautiful; and to multiply and fill to overflowing these innocent sources of pleasure?

The country is full of poetic sentiment and religious monitions. The privileged inhabitants of the country should seek to rise above the mere drudgery of life, and make themselves familiar with nature in her ever varying and charming aspects. It will not hart their industry, but it will not here their industry, but it will chere their toil to study the benevolence of the Crentor in the perfection of all his works; and, I trust I may add without irreverence, to second his provision for the happiness of his creatures in multiplying every where around them the forms of beauty.

I hope I shall be pardoned for the enthusiasm which I may betray on this subject. Let those who think my remarks out of place, kindly pass them over. Penetrated to the depths of my soul with a sense of the beauty of nature and the harms of rural life, I am anxious that even the lowest laborer may have his toil alleviated, his self-respect quickened, and a sentiment of the dig-nity of his own nature breathed into his heart by a habit of observing and studying and enjoying the wonders and glories of the visible creation around him. I cannot think it difficult, under a just education, to awaken this sentiment and form this habit, even in the humblest minds; and what sources of gratification in such case shall we open to him, which the wealth of cities cannot purchase and what motives to religious trust and joy shall we inspire, which written teachings can never impart. For what a prodigality of beauty is every where manifested in the natural world! sell is the perfection of beauty, and wherever it spreads its glittering robe, converts every thing which it touches into beauty. Take the great feamaria nature, the earth, the woter, the sky, the sun, the moon, the stars; and what beauty is re-splendent in every one of them. Take the vege-table tribes, the frees, the flowers and the verdant fields; take the animal creation, from the fairy bird that cleaves the liquid air with his burnished wing, to the pearl of exquisite brilliancy, that lies buried in the depths of the sea; and what a divine beauty shines out in the whole. Examine the minutest atom, which you can pick from the corth with the finest needle, the smallest flower that drinks in the refreshing dew, the least insect that floats in the sun-beam, the tenderest leaf that quivers in the breeze, and the vast continent with all its mixed and varied features of land and water, of valley and mountain, of prairie and forest; take the vast ocean, with its ceaseless heavings and its deep curulean waves, and the golden and crimsoned heavens at the rising and setting san; look at nature, even in her decay, in the variegated glories of autumn, or reposing under her jewelled mantle in the death of winter, look at every thing in its individual form, or in its combinations, and even in objects which seem effensive or loathome, or terrific, -all, all, is flooded with beauty. I have stood hour after hour, gazing at the mighty Niagara; and while I beheld in its tremendous movement, an image of the Divine Power, and in its ceaseless flow, a symbol of the Divine Eternity, yet in its deep torrent of living green, its glittering tresses, of a whiteness which the drifted snow does not surpass, and in the dazzling iris, spanning its troubled and foaming abyss, and girding, as it were, the lion's neck with a cincture of brilliants, beauty, ineffatle beauty, pervaded and triumphed over the whole; and there, of all

ME

Agents for the Rochester Seed Store.

A general assortment of seeds, from the Rochester Send Since, may be found at on h of the following places. Subscriptions will also be received there for the "New Genesee Farmer and Guidener's Journal." Buffalo W. & G. Bryant. Lockport.... S. H. Marks & Co. Brockport George Allen
 Brackport
 Centry (III)

 Scattsydle
 Andrus & Garbutt.

 Le Roy
 Tompkins & Morgan

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 J. V. D. Verplanck.

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 R. & N. Weils

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 | Maint affilis | A. C. W. Wyman. | Canandaigda | H. O. Hayes & C. | Yurk | R. H. French. | R. H. French. | Geneva... Van Bront & Son. Waterloo Abrain Deuel.
Aubura T. M. Hant.
Polmyra Hoyt & May.
Syrneuse I. B. Fitch & Co. Unea J. E. Watner.

Hamilton...... J. A. Mott. M. B. BATEHAM. Son-Resident Lands in Michigan.

Some Resident Lands in Michigan.
Till undersigned respectfully amountees to the public, I that he has opened an Office in this city for the specific operator along as reperent Agent for the paperent of Taxes on non-resident Lands, now, or hereafter to become due, in any of the Countries of the State on the wall visal himself, or by a trusty preson, each of the Countries, to obtain all necessary information upon the subject. Persons wishing that you had not appear the massessing manner of ferwarding to the individual the massessing manner than the best of the Countries in the countries of the Countries in the countries of the Countries of the Countries in the countries of the Countries of the Countries in the Countries of the Co

It is energist will at all times be reasonable, and proportiona-le at the services rendered.

The nu less gone livil can be vot to make himself throughts,
the control with the value of Lands in every part of the state that he may be enabled to give information to all en-quirests, and if desired, but hundertake the sade of the sour-pourests, and if desired, but hundertake the sade of the sour-less than the same of the source of the same of the same lands are the same of the same properties. and capier: to re from the pleages above given, to the a new Periificates.

J. L. WHITING.

nevel certificates.

D troit, March 1, 1840. D troit, March J 1840.

I think such an office as is proposed by Dr. J. L. Whiting highly necessary for the convenience of the community, and that he is evered highly well quadrically long residence in Machinan, match knowledge of the country, strict integrity.

defining an, threat knowledge for the contanty states method for described besides as that the proposal agency.

C. C. TROWBRINGE,

Pres't Bank of Michigan I in the above note of Mr. Trowbridge, Derroit March 5, 1843.

Lean-ur fully in the sentiments and opinions express 1 in the above note of Mr. Towkier lag. Detroit March 5, 4843 WM, WODBSHBGE, Covern roth Mringan, Proved the Company of the Mr. L. Whiting for many years, and fully conquir in the rewardous expressed by Mr. Towyr. 12; Dr. J. L. Whiting is in my judgment fully compared to descape the dates of the proposal Agency, and 1, cheef fol-by recommend hand to the public.

By recommend him to the publish IP. P. HASTINGS, Auditor General From a long and intimate as punntance with Br. J. L. Whiting, I am happy to reserve the above statements. THOMAS ROWLAND.

From a long man and the second of State. Land office performed in the above statements. THOMAS ROWLAND.

Land office performed in the date of State. Land office performed in the above recommendation, and would be above recommendation, and would become retriet above recommendation, and would become retriet above recommendation, and would become relief to him any facilities the I and Office may afford in all of the objects of his advertisement.

I have been intimately acquainted with Br. J. L. Whiting for several years, and I fully concur in the sentments above expressed, in relation to his TRUERS. Mayor of Departs.

Such an office as Dr. Whiting prepasses, will be of great, with y and the recommendation is med I am happy to assure the public, that he is every was qualified, and can be fully conference of Michigan.

Tressurer of Michigan.

Having known Dr. Whiting for many years, I fully con-ar in the above.

Dr. Whiting for many years, I fully con-

To the above ample testimonia s in reference to the capa-city, unbstry and integrity of Dr. Whiting. I take pleasure in adding my fall and cort and consurence; and hearth common the proposed Agenty for the convenience and use-fainess.

Cashier Farmess X, Mechuniss' Bank.

MELBERRY TREES ON SHARES.

A Sthere is every prospect that the demand for the finest kinds of Mulherries for silk will be greater next spring IA kinds of Mulberries for silk will be geoater next spring than the supply, I now offer to furnish 200,000 every now trees of the Africa, Bronssa, and Mul icaulis Mulberries, to be cultivated on equal islances, one half the trees produc-ed therefrom to be delivered to an order in the spring of catherfrom to be derivered to my order in the spring of 134. The expense of preking and transportation to be paid by the per ordering them. The mutting and delivery to a vesset or Transportation Line, will cost \$2 per thousand, and any person desiring to contract as above, will, on re-nut mg \$2 per thousand to cover this expense, receive forth-mut mg \$2 per thousand to cover this expense, receive forth-

mit ing \$2 per in disam to cover this expense, receive forth, with the number he may desire.

WM. R. PRINCE,
Liangun Botanic garden and Nurseries, Flu hing, N. V.

ATKINSON FUMALU SEMINARY.

ATRINSON FOWARD SERMANASY.

JUSTATINSON, baring removed to the cave is prebardlers—completent benchers are provided in the threatment is
bardlers—completent benchers are provided and all diranches
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and physical, a week as to the intellectual education.

Terms are fourly dilates per quinter of 11 kaceks, including
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The following branches are charged levit — French, spanick, German, Greek, Lann, Music and Brawing. Seminary
of Cama Store, and Cama Store and Store an

BEEBE'S STRAW CARRIER.

THE SITE STRAW CARMERS

TWILL subscriber having subther in to f his Patent Straw
I carrier in the compact of temesce, Livington, Outlair
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of Olio, all previous without the above machines can be
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Daniel C. Mr Team all Sentisville, Monroe Co. Those wish
until the Source and Sentisville, Monroe Co. Those wish
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of the State of Outlair and the distinct Daniel C. M. Fenral Scottsville, Monroe Co. Those wishing the above machines or any other part of the United States, will please apply to the subscriber. All persons wishing the above machines before the first of October next will do well to call soon. Comely and state rights on resourable terms.

April 84, 1842. Reg. Monroe Co., N. Y.

The und reigne lineary score or used Visial, Desirals De-

The and reigned favore seem or used Vriah Beebe's Pateur Straw Carnes, below it to possess much merit as a fasor saving motion—is preforms the work of separating the straw and chaffrom Whent, Oats and Barles, with the straw and chaffrom Whent, Oats and Barles, with the sandlest amount of power, does it debands, and is altrable, simple and cheep. Dessessing, as we conceive, all those qualities in a emittent degree, we cheerfully recommend it the public

win, Uiyley, Chili, Win, Uiyley, Chili, Will Smith, Cale lonia, Sminet Cox, Wheatland, Jam's Cox, R. Harmon, ir. Wheatland. Win, Gar sait, George Sheffer, William Reed,

The Imported Horse Affred,

W.H.L. stand term res this season, 7-12, at the following planes viz. At George Fordon's, men Geneva, on Satistics, Monday, and Thesday, April 30, and May 2, 3, 14, 16, 17, 2-, 35 and 31, and June 11, 3, 11, 25, 27 and 25, and lab 9, 11, and 12

and the general production of the graph of t

the horse remains in this region, or in the event of his removal, to have one half the amount returned.

Med. 1813 GUORGE FORDON.

The Young Lion of Mouroe,

on provided on annex from a merance. At accusing all the risk of the owners. Persons putting mares and parting with them before for ong time, will be held responsible for the ser-vices of the herse.

L. K. BALLINTINE.

Chil. April 27 1-12.

We the undersioned have examined Mr. Ballintine's horse

We the unler-signed have examined Mr. Ballin inc's horse the Namy Library and that him decine lip one of the lest borses in the county.

G. C. Batter,
Mathew Withock, A. R. Sanw,
Matheway, April 29, 1842,
Rochester, April 29, 1842,

Young Affred,

WHILL stand for more this sea on 1542, at the following WHILL stand for more this sea on 1542, at the following needs, when shows the standard stan

May 7 7th, Sh. 9th, 10th, 22st, 224, 23d, 24th June; 5 b, 6th, 4th and 8 h July

Voung Affect is a fine bay, was sheetly not imported

Naj 1st, 1812

A SPARAGUS AND RIG BARB ROOTS, two years 1 of I, for sale fore, at the Seed Store GARDEN II (ND GLASSES, very useful article) for

GARBLAN II (AD GIANSELS, very useful strice) for protecting and forwarding enclusive, metalon, tonado, and other planes; price \$1.25 cach, \$14, per dozen.

*SERICON, a treatise on the art of rearring sTK worms, and combacting filluming to the Additional Control of the Additional Control of Contro

FOR SALE.

A pair of the bage MARE's, very powerful in draught, and we is together perfectly even. They are excellent travellers, and true and right in all re-pects. One of them is an field in imported Affect.

The full bluoded Durham Bull, American Comet, sired by imported Royer, dain imported Printone, a very superior

nemal.
Also, the full blooded Durham Cow, Wavilda, and Holder-ees Cow, Brilliant.
THOMAS WEDDLE.
Rushester, 21th April, 1542. ROCHESTER PRICES CURRENT.

CORRICTED FOR	
THE NEW GENESEE FARMER, MAY 1, 1842.	ш
WHEAT,per bushel,\$ 1,12\frac{1}{2} a \$ 1,15	H
	ı
COMM,	
(1,115,	
15. \ 1 1. 1. 1. 1	
R1E Odini.	
BEANS, White," 75 10	
POTATOES, " 25 28	
APPLES, Descit. " 50 56	
FLOUR, Superfine, per bbl 5.25 5,50	1
" Fine, " 4,75	Ì
SALT, " 1,25	3
PORK, Mess, " 8,00 9,00	
e per 100 lbs	
BEEF,per 100 lbs, 3.50 4,00	
POHLTRY 7 7	
EGGS,per dozen, S 9 BUTTER, Fresh. per pound 121 15	
BUTTER, Fresh., per pound 121 15	
" Firkin " 10 12	
CHEESE " 5 6	
LARD 44 7 8	
TALLOW, Clear, " 8	
HIDES, Green 4 4.	
PEARL ASHES, 100 lbs., 5,00	
POT, 4 4 . 5,25	
WOOL,pound, 30 40	
11 AV 11 00 19 00	
HAY,	
CLOVER SEED " 5,50 6.00 Restricts.—Where has advanced a triffe since our last-	
ther grain remains dell. Fresh butter is in great demand	7.
some lots have soid as high as 16 to 15 cts. Lard also he	
ulvance l.	
New York April 27th Genesee Flour remains dull.	_

ones will berrel. overes. Wheat at Chicago is 90 ets. in castern funds or coin,— overt \$4.50

Clour at \$4.50 During the first three days of canal navigation, there were supped at Rothester, 12,500 hatres flour and a correspond-ment quantity of other articles.

On the Culture of Madder.

Scientific Agriculture. In high Grin and Wheat Altermonitor of the tallage. Rata Hear for Mich Cows.

The White Crrot. Town and Country—attractive
Industry. Ch. ked.) attle. Omnors.

70. Correspondents—Order of Grass—Wells and Cisterns—Editorial Liberties. Degeneration of Broom
Coungand of a recorded Grass—Wells and Cisterns—Editorial Liberties. Degeneration of Broom
Coungand in recorded Grass—Wells and CisHussey. Hearing Michigan The Washer-Trans.

71. Hussey of the Springport Pippin—Sowing
Bect Seed.

72. Vericultural Museum at Rochester. N. V. State Az.

73. vericultural Museum at Rochester. N. V. State Az.

74. Sangar from Inland toen and Sterine from Lard.

75. Carrette. Alubserviews and Sift Culture. The Le

76. Thourses (poetry). Rural Life and P. caures. Zelia
Demestic and Political Economy—Rural Taste, &c.

76. Polyalture.

78. Large Browl of Hogs in Clyde—Large in Maine. Or
18 communical Trees.

ROCHESTER, N. Y.

PRINTED FOR THE PROPRIETOR, N. Y.

By Heavy O'Reilly and John L Reilly.

Book and Joh Printers, Ford Publishers of the "Rochester
Evening Post" and "Western New-Yorker."

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ET All kin is of Printing promptly even od. Eff.
Press-work done for Bookeellers on the Powe-Press while
prints the "New Generic Fairner."

B. BATEHAM, Proprietor.

VOL. 3.

ROCHESTER, JUNE, 1842.

NO. 6. HENRY COLMAN, Editor.

PUBLISHED MONTHLY. TERMS,

FIFTY CENTS, per year, psychle always in advance. Post Masters, Meous, and others, sending current mon-free of ostage, will receive out of 183.— Inches The pustage of this paper is only one cent to any place tidin this stane, and one and a half cents to anypare of United States.

Address M. B. BATEHAM or H. COLMAN, Rochester,

METEOROLOGICAL OBSERVATIONS,

ADE AT THE ROCHESTER COLLEGIATE INSTITUTE BY L. WETHERELL, MAY, 1842.

	Tuermometer.			Winds.			Wea		
Date	Sunrise.	1 o'clock, P.M	1 h. af.sunset.	Mean.	A. M.	P. M.	A. M.	P. M.	Rain Gage
6	50	61	48	32.5	s.w.	s.w.	rain	cl'dy	,26
:7	-11	50	40	43.16		s.w.		able	,04
:3	33	45	42	41,83	w.	w.	cl'dy	fair	ľ
19	35	54	40	43,16	w.	w.	fair	fair	l
10	36	63	53	53,5	s.w.	s.w.		fair	
1	53	59	40		W.	w.	rain	el'dy	.13
2	37	52	46	46,	w.	W.	fair	fair	1 1
3	43	52	45	46 66	w.	w.	fair	fair	
4	43	55	45	46.66	w.	w.	fair	fair	
5	37	66	49	52,13	W.	w.	fair	fair	
6	46	64	48	51,	w.	w.	fair	fair	1
7	36	55	47	147,	117.	15.	fair	fair	
8	42	53	55	46,66	W.	w.		able	1
9	32	48	44	43,	W.	w.	fair		
.0	42	76	66	64,33	w.	w.	fair		
11.	60	57	46	51,66	w.	w.	fair	cl'dy	.08
13	44	61	43	51,66	w.	N , W	fair	fair	1 1
13	48	53	44	45,83	W.	w.	cl'dy	fair	
n.	33	57	44	47,5		w.	fair	fair	
15	50	59	46	51,66	3.W-	s.w.	cl'dy	cl'dy	
16	50	75	52	58,66	S.W.	S.E.	fair	fair	
17	43	81	62	65,83	S.W.	s.w.	fair	el'dy	
18	ช1	79	64	63,	8.	s.w.	fair	cl'dy	.42
19	61	50	44	48,16	N.W	N.	rain	cl'dy	.05
30	40	52	41	43,5	N.	N.E.	fair	fair	
21	35	68	54	55,5	s.	S.E.	fair	cl'dy	
22	54	62	53	55,33		E.	rain	cl'dy	
23	43	62	59	56,5	N.W	N.W	rain	el'dy	.89
24	49	75	52	57,5	s w.	w.	cl'dy	rain	
25	42	65	49	52,33	w.	w.	fair	fair	.04
	Mean temperature of April, 1812, 45. 85 degrees.								
44		66		4.6		1841	, 39. 8	7	4.6
44		**		"		1840	, 47. 8	60	11
Rain Gage, April 26th, to May 25th, 1812, 1-91 in.									

The Weather of the past Month.

1841, 2.61 "

1840, 5.04 "

The month commencing April 26th and ending May 25th, has been cool and frosty, and also very dry, down to May the 18th, when there was a very fine shower with thunder,—a little more rain the 19th; a plentifol rain the 22d and 23d; a little more the 24th. Wheat has suffered in clay soil on account of the drought in this region. It does not look quite as promising as it did early in the spring. I judge from what I have seen in the vicinity of Rochester. Farmers, am I right?

Vegetation was considered very forward April 25th,

but since that time, its progress has been very much retarded in consequence of cold and dry weather, and is now little in advance of the corresponding day last

Apple tree in blossom May 1th; Lilac do. the 10th; Butternut, 14th; Quince, 17th; Horse-Chestnut, the 22nd.

Last year, Apple in blossom May 27th; Quince and Horse-Chestnut, 28th; Lilac, 26th,

COMMON RAIN GAGE .- "In explanation of the principles on which the rain gage is constructed, and in answer to various inquiries which have been made on the subject, it is proper to observe, that the area of the funnel at the top of the cylinder, in its widest part, being eight times the area of the cylinder below, one inch in depth of rain falling in the open air, and received through the widest part of the funnel, will fill eight inches in depth of the cylinder; and consequently, the moveable rod in the cylinder, being attached to a hellow, floating bulb, will be raised eight inches above the crossbar at the top of the funnel. This space of eight inches is divided into 100 equal parts, or small divisions, so that each part or division above the crossbar will indicate the one-hundredth part of an inch of rain fallen; and 100 of those parts or divisions, covering cight inches on the rod, will indicate one inch of rain fallen and must be registered accordingly."

State of Trade, Prospects of Prices for our Agricultural Products.

Flour and corn now bring remunerating prices in our Atlantic ports, pork is still by far too low, but when the reduced duties in England take effect as per Sir Robi. Peel's* bill, we may expect an export of beef, pork, lard, but er &c to England: even under the late high tariff, it is said that our butter would have sold at a good profit in England, if it had been made as good as Irish butter. Strange as it may seem, when good Orange Co. butter is selling in New-York at twenty cents a pound by the firkin, our western butter or rather our miserable imitation of butter, is selling there in large quantities at eight ets. a pound. and yet it takes as much milk to make the bad butter as the good. Under the proposed reduction of the duties on imports in England we may even export apples there, to a profit,

Thus while in the United States we are clamorous for a prohibitory tariff, as the only antidote to that ruin brought upon the country by the abuse of the credit system, England, sick unto death of prohibatory restriction, is now adopting a plan, to encourage foreign trade, while it also increases the revenue of the astion.

I was about to admonish Farmers not to expect present prices for wheat after the coming harvest, as Russia, Prussia, and Germany will have their Granaries filled, ready for every foreign merket, and if England should be once more favored with a good crop, she will need no foreign corn until her crops again fail; but we have now, 15th of May, every prospect of

This patriotic statesman has reduced his own rent roll 20 per cent, in order to enable his tenants to live under the reduction in the duties on imported provisions.

another cold dry senson which must seriously curtail our summer crops; this owing to a wise provision of providence only increases and improves our wheat crop, and its price for home use must increase in proportion to the dimination of our summer crops.

Butter and cheese are at fair prices with the prospect of an increased demand for export, pork must improve as less will be made and more exported, so that those farmers who live out of the pale of the wheat growing region need not be discouraged; let them be true to nature, and nature will reward them.

Waterloo, Mny 15th, 1842. S. W.

Fruit Trees in this vicinity have not suffered materially from frosts, and most kinds promise very abundant crops, although we perceive that the curculio is thinning out the choice stone fruit as usual,

The following letter from the Commissioner of Patents with the remarks annexed, were prepared for the May number of the N. G. Farmer, but by an accident did not seasonably reach their destination. We have since read Mr. Smith and Mr. Ellsworth's letters in the Cultivator for May, but we see no reason therefore to qualify our remarks. Mr. Smith says that the amount (of cocoons produced in Massachusetts,) set down in the tables of 198,432 pounds, should undoubtedly have been 19,843 pounds; and Mr. Ellsworth accepts the correction saying "the error was doublless occasioned by reducing the two classes of products reported to the, thus giving one figure (the last) too much." Here, as we conceive, is another beautiful example of guessing. How should Mr. Smith know undoubtedly that it should have been 19,843 pounds, when the actual quantity returned to the Massachusetts Secretary's office under the bounty law for that year, was 27,219 lbs. ? Our friend Smith, indefatigable, disinterested and most descrying as he has been to advance the silk-culture, says "I have sech so much injury (to the silk interest especially) from exaggerated statements and estimates of results, that I am particularly sensitive on this peint." Under this excitement it may not be safe for us to have approached him; but we do it, he knows, with all good will and respect, and beg him above all things not to put it down under the head of "ridicule."

Patent Office, April 8, 1842.

Deart Str.—I have just received and read your paper, the New Genesee Farmer, in which you notice my Report, and regret that you had not, before you published your strictures, read the details of Mr. Webb's experiments with the specifications for making oil and stearine, published by the National Agricultural Society, a copy of which has probably before this reached you. The public undoubtedly should be guarded against extravagant statements; still there may be danger of encouraging scepticism and stifling effort when experiments are needed, and which may confer great benefits.

As to the error respecting the amount of Silk in Massachusette, I have already written an explanation to the editor of the Silk Agriculturslist, who, believing from the context of my Report there must be a mistake, was so kind as to write me and inquire respect-

ing it. The error arose in reducing the different pear in this number of the Farmer. * We do not imetatements of accounts collected, some in cocoons and some in silk, the latter of which had to be increased, and the time of printing my Report did not allow me to review the computation of the assistant,

As to the wheat crop of Massachusetts, which I have estimated in 1841 at 189,571 bushels, I remark there is only 31,648 bushels more than that of 1839, on which the census of 1840 was taken. The census was taken, you are aware, by persons under eath, and is high authority-the gain, about 16 per cent. in two years, is not incredible, allowing for the increase of population. The bounty too does not apply to any fractions under 15 bushels.

As to the quantity of green stalk per acre, at which you marvel so much, you will find that 5 lbs. per square foot is not an over estimate for the richest land well prepared, in the latitude where the experiment was made, and where the stalk grows much higher than at the north. If you have seen the Baden corn grow at the north, you may well imagine, that if, as you admit, herds grass has produced, when green, 40,837 lbs. per acre, such corn sowed broad-cast, say 5 bushels per acre, and permitted to grow as thick as it will flourish, may yield a crop five times as great as that of the grass. You must not of course expect so much in the short summers at the north, but I carefully weighed the produce of two feet square or four square feet of ground of the stoutest in my field, and the aggregate was 20 pounds, equal to 5 pounds per loot.

The merch of improvement is onward, and when you peruse the process of converting pork or lard into oil and stearine, and examine more fully the data on which the statistics are founded, you will be lese sceptical as to the early period when you may "throw np your het."

While the guardians of the Press should esdulously avoid imposing on credulity, it must not be forgotten that it requires strong encouragement and great faith to induce the travellers in a beaten path to take a different onc. I will not say that your remarks will have the effect to stifle effort, though the tenor of the remarks is supposed by some to cast an air of ridicule on the experiments mentioned.

Wishing you success in your zealous endeavore in the cause of agriculture, I remain

Yours respectfully, H. L. ELLSWORTH. HENRY COLMAN, Rochester, N. Y. Editorial remarks on the above.

We have much pleasure in presenting to our read. ere the foregoing letter of the Commissioner of Patents in reply to our strictures upon his late Report. Mr. Elleworth cannot, we are persuaded, for a moment distrust the high personal respect, which we have for years entertained towards him, and the grateful sentiments with which we have regarded his zealons, disinterested and enlightened efforts for the advancement of an improved Husbandry. We shall add on this subject nothing to what we have already said. We dismiss, therefore, every thing personal from the case, and look at the Commissioner's Report as we would look at any other public document of the Government. As such we hold it open, and deem it well for the public and the Department itself, that it should be subjected to fair and honorable criticism. If our remarks have been of a different character, no one will regret it more than ourselves. At present, however, so unconscious are we of any intention of that kind, that we do not see it.

We write these remarks five hundred miles from home, and therefore are unable to recur to Mr. Webb's statement of his process of extracting sugar from corn stalks given in the valuable pamphlet published by he National Agricultural Society, and which will ap.

nugn any of the statements there made: but we confees we shall wait with some impatience to see these anticipations verified.

The production of 108 tons of corn fedder to an acre is still a matter of surprise to us; not that we doubt Mr. Ellsworth's testimony, but because the smount is so very large. The editor of the New England Farmer has kindly stated to us that the crop of 37 tons, to which he referred, was produced on the place of Daniel Putnam of Danvers, one of the best farmers in Massachusetts, and that in this care three square rods were cut and weighed, in order to determine the amount of the whole crop. He states likewise, that in referring to a product of more than one hundred tons to an acre, he rested on the statement of Mr. Ellsworth. Mr. E.'s result was obtained by measuring and weighing the product of four square feet. In both cases the seed was sown bread-cast. There is always an uncertainty or liability to mistake where the whole crop is determined by the measurement of such small parcels. Here for example is a difference of 71 tons upon an acre between the results obtained by two gentlemen of equal credibility and undonbted truth. Mr. Ellswerth may account for this difference in the different kinds of corn sown. the gourd-seed at the South, the flint corn at the North, the stalks and foliage of the former being much more abundant than the latter. But we understood Mr. Putnam to say that the gourd-seed or couthern corn was cown in Danvers, in the case referred to. The difference in latitude or climate would undoubtedly produce a difference in the amount in favor of the South, but to what extent it is not possible for us to determine. When we admitted that Herds Grass, cut green, had produced at the rate of 40,837 lbs. to the acre, we did it apen authority, which is deemed sufficient; but, as will be seen from the form of expression used, not as a matter which ever came within our personal cognizance or experience. But again, upon the supposition that by Mr. Ellsworth's mode of planting, 108 tons of green corn fodder can be produced, it will be seen that the growing crop must cover entirely the whole ground, whereas, on Mr. Wabb's plan at least a third of the ground must be left in the open spaces necessary for the cultivation of the crop and lor access in order to pluck the ears before their maturity. The product of corn sowed for fodder is undoubtedly much beyond what most persons would apprehend; but how much may be obtained is a matter of such easy ascertainment by every farmer, that we may best leave it to every farmer to determine for himself.

Our remarks on the amount of wheat given in Mr. Ellsworth's statistical tables, as produced in Massachusetts in 1841-2, were designed to show mainly how little reliance can be placed upon statistics of that sort when obtained by estimate, not to say conjecture. An error of 31,000 in a sum of 189,000, does not seem to us a small error; and if proper information had been given to the Commissioner, we believe that the return of wheat produced in Massachusette in 1841. instead of being increased over that of 1839, would have been diminished, as the cultivation has evidently fallen off since that time. Mr. E. says that his tables give only 31,648 bashels more than was given in 1839, on which the census of 1840 was based. Now we have no disposition to be hypercritical in this case; out there appears some reason to suppose in this instance, that in making out the return for 1841 no reference was had to the returns by the census. The returns by the census for 1840, gave 158,9233 bushels. The returns made to the Massachusetts Secratary's Office in 1838-9, with a view to obtain the bounty, were 108,5701 bushels. The return given by

* See last month's Farmer.

estimate in the Commissioner's tables are 189,571. Now to say nothing of the extraordinary accuracy of estimating or guessing in such case to a single bushel the whole crop of wheat raized in the state, yet the two numbers, 108,5704 and 189,571, look so nearly alike that we can hardly refrain from the conclusion that the latter is somehow immediately related to the former; and that therefore the clerk, who made out this return in Mr. E.'s tables, did not as Mr. E.'s letter would seem to imply, make it out from the United States Census, but from the return made to the Maseachneette Secretary's office, and wholly as matter of orbitrary conjecture.

The extraordinary error in the tables as to the amount of Silk Comens produced in Massachusetts in 1841-2, of 198,432 lbs. instead 27,219 lbs., Mr. E. accounts for partly in the want of time to review the computation of his assistant. Clerical errors in all numerical calculations are very hable to occur even with the most exact; but this was so large that we can only advise Mr. E.'s assistant to take shelter under the distinguished example of the Secretary of the U. S. Treasury, who we believe in his reports to Congrees only mads a trifling mistake of one or two millions of dollars. Mr. E. would seem to suggest, that we should have followed the example of the Editor of the Silk Agriculturist, who kindly wrote to inquire if this tatement of silk product were not an error, and to whom Mr. E. has furnished an explanation. 11ad this report been a private or porsonal matter with Mr. E., wa should certainly have adopted the same course; but in respect to a public document, published by order of Congress, it might be considered intrusive if not impertinent, if gentlemen requiring explanations or information in such cases, should write private letters to the different heads of departments in order to obtain them.

But our remarks had, we trust Mr. E. will do us the justice to believe, a much higher ain; then the correction of a mere clerical error. We deem statistical knowledge of great importance, and Mr. E.'s deere to furnish it in the highest measure honorable to him : but in order to be valuable, statistical statements should rest upon perfectly authentic data; and we wish that Congress should see the necessity of making amplo provision for obtaining and publishing them; and not. suffer them to be given upon mere vague estimates." nor impose so much duty upon a public officer that he should not have time to review and correct them, nor especially that returns each se those of hemp and flax should be so jumbled together, (the fault of those who took the census) that it could not be determined how much of flax or how much of hemp was raised, nor whether the figures in which the returns are made mean tons of hemp or pounds of flax.

In Mr. E.'s extraordinary anticipations respecting the production of eilk, we confess we have no sympathy. We would, as we have done, ardently, constantly, and indefatigably, through good report and evil report, encourage its production as one of the mest important agricultural interests of the country; but the calculation of one person in every hundred of the inhabitants of the United States producing annually a hundred pounds of silk, and the product being 18,-000,000 pounds, worth 90,000,000 dollars, seems to us pure romance. If "some persons" suppose our remarks in this case adapted to "cast an air of ridicule" on the subject, we apprehend that this "air" belongs to the thing itself and not to the spirit or tenor of our humble observations. The public would suffer far more from encouraging such expectations than from showing their delusiveness. The cause of silk culture has been already put back a quarter of a century by the extravagance of the statements and calculations of those, who called themselves its most erdent friends, and who, with the exception of a few

nulberry trees and speculators upon the public creduity. So it is likely to be in respect to other egricularel improvements. We must not expect to reach the zoal at which centuries have oimed by a single leap The public mind by great paine taking hee just come o that healthy state in which it begins to take on inerest and find a rich pleasure in egricultural inquiry; and the ignorant are ceasing to sneor at book-farming and have become willing to read and to listen. They need now to be nourished by the calm and reseonable tatement of facts and experiments; but to approach them now with mere theoretical calculations, and romises so extravogant that they transcend all reasonible expectations and experience, will only create disappointment and disgust, and essentially injure the great cause, which many of the best and most intelligent minds of the community have so much at heart.

There is a great deal of valuable matter in the report besides that to which we have referred, of which we shall be reafter exail ourselves.

To Correspondents .-- Post Office and Postage.

We do not agree with our respected friend from Cayuga, that the decision of the Post Master is wrong in regard to endorsing news-papers. If "A. B's compliments to C. D." mean nothing, then the writer cannot complain that he is not allowed to put them on the paper. But they mean a good deal; they signify the good will of the person who writes; his kind remembrance; that the paper comes from him; and would be understood generally to imply that the writer was well, and invited attention particularly to something in the paper. If it was lawful to put so much, why should it not be lawful to put compliments also, to E. F., and G. H., and so on, inserting as many tender messages as you please to the mistress of the household, and so through all the aunties and cousins down to Boots and Betty, the scrub. The mail is designed for the general accommodation and comfort; for the aid of business and commerce, the diffusion of intelligence, and the maintenance of social intercourse, the great charm of life. Every man er woman, therefore, who in any respect whatever avails himself of its advantages, should be willing to pay for those advantages, and not attempt to evade their obligation by any sort of skulking whatever.

Then we think it the imperative duty of the Government to render this form of communication as rapid, as certain, as diffusive, and as cheap as possible. We therefore protest against the late proposition of the Post Master General to increase the 18 3-4 cent postage to 20 cents. If the present extension of mail conveyances and facilities are not sufficient for the demands of the country, then let the Government make them so. If the income of the office is not sufficient to meet the expenses, supply it from other sources, if we are ever likely again to have any thing to give. Let the public accommodation in this matter be the first object. The rates of postage are already much too high. Reduce your 25 cent postage to 12 1-2 and your 18 3-4 to 10 cents, and your 12 1-2 and all others to 5 cents, and there can be very little doubt that the revenue of the Post Office would be greatly increased. Then put an entire stop to the franking privilege excepting in the Great Departments of Government, and the health of this great concern now complained of as "in a poor way and very much inclined to consumption," would be speedily restored. Such a change would greatly multiply the existolary correspondence of the country; and the unfortunate individuals, who are just taking their departure at the great points in steamboats and cars, would not be dunned with, "Sir, I was too late for the mail, (nine times out of ten a lie) will you take a letter," and then find themselves regularly transformed into U. S. Mail bags. Twenty and thirty letters, gs we know by experience, are not an uncommon num-

nonest and honorable men, were mere gamblets in ber to be offered to one individual, because the writers pulberry trees and speculators upon the public credu-

We believe as much as we live, if all postages of single letters were reduced to ten or even six cents, and double letters to fifteen cents and five for every additional sheet for any distance, and the payment of this postage always required when the letter is deposited or rather stamps purchased, and the franking privilege abolished or much limited, the revenue of the Department would be essentially increased, and sufficient for the purpose of the country.

Post Office and Postage.

[In a letter from Cayuga County.]

How could we live if the mail was stopped, and the post office closed? Yet 1 well remember when in a populous neighborhood of another state, scarcely any person thought of visiting the post office, if such a place was even known. "How did you get letters?" By private conveyance. "And your newspapers?" From the printing office in the city, at the distance of twenty-five miles.

Within the present century, Scipio P. O. was kept in the village of Aurora. It was called so, because it was the only office of the kind in that old town, though the population even at that time was great. When wheat was carried to Albany in sleights at a cost of 75 cents a bushel, money was hard to get, and post office bills not so easily paid as at present. Letters and papers were luxuries that but few persons could well afford, to much extent. Now there are seven post offices within the limits of that old town, on the two stage roads between Auburn and Ithaca, besides four more at least which are kept in the castern parts of the district.

These notes are intended to show the general and increasing interest that is felt in the Post Office Department, an establishment which necessarily requires millions for its support. This revenue is derived chiefly from a tax upon letters. With a liberality adapted to republican institutions, newspopers weighing several times as much as a letter that is charged twenty-five cents, are carried throughout the whole length of the United States for one cent and a half—so we may all be politicians.

This liberality however, is not met in all cases in a proper spirit by our citizens. Under the shelter of a newspaper, many contrive to send intelligence which ought to be subject to letter postage, and which is subject to it when found out. Honorable, upright minds however, that have reflected on the matter, will refrain from such practices; and be willing to bear their proper proportion of the burdens imposed by the Covernment.

The law of Congress requires the postmaster when any thing is written on a newspaper, which a mounts to a memorandum, to charge letter postage for it, and if the receiver will not pay it, the paper is sent back, and the writer subjected to a fine of five dollars. All laws of this nature, leave much discretionary power with the Heads of Departments, and it is very desirable that they should receive a liberal interpretation. It is very desirable that whenever a citizen is muleted, that both he and the community should be satisfied that the intent and meaning of the law, as well as the public welfare, required it to be done.

When a person writes a letter on a newspeper, or transfers a letter already written to a newspaper, by dotting or underscoring a printed word for each written word, as they occur in succession,—it is clearly an attempt to evade the law, and to wrong the Department of its just dues. No candid person can say a word in defence of such practice, and it onght to be discountenanced by every good citizen. When the penalty of the law overtakes such effenders after due warning, he is a just punishment; and the lands of the postmaster ouglit to be etrengthened to perform the duty.

In my judgment however, it is a different affair when

the Post Master General construes a memorandum to mean any thing that is written on a newspaper besides the direction. For instance: If a person sends a newspaper with his name on it, to indicate whence it came, ought it to be considered an offense? But I will goons step further: suppose he writes on the margin "A. B's compliments to C. D," and no more, would a liberal construction of the law make it an offence? It is equivalent to the simplest act of recognition when we meet a passenger in the road. Not a word is spoken in one case, no ran additional word in the other. It wrongs the Department out of nothing, for no man would write a letter for the purpose of saying no more than that. He communicates no more intelligence than tho man who silently touches his hat.

But the Post Master General has the power to say that a compliment so written and so sent shall subject the receiver to letter postage, or the reviter to a fine of five dollars; and out of

'Respect for his high place"-

I would on no occasion offend him in this particular; but it is bad policy for an officer to strain his authority.

Home League -- Protective Tariff.

Those who take but a superficial view of trade and its ramifications, are very apt to hail a protective tariff as the only panacea to bring back a healthy, prosperour trade to the nation.

My experience goes to prove that the pecuniary ills we now suffer, are by no means chargeable to a diminition of tariff under the compromise act, but rather to the abuse of the credit system. Now my agricultural friends, I appeal to your experience in relation to the credit system; have you not seen at a farmer's vendue, cows, horses, oxen, and all implements of husbandry, sold 50 per cent. higher on a credit of 12 months, than they would bring in cash? The same extra price for credit will apply to all our imported goods. When we can pay England with paper promises, we always buy too much, hence the outery for a tariff to stop the overtrade; but when we have to pay specie for goods, the check to excessive importation is sufficient, without an extra tariff.

As long as England would take our State Stocks and United States Bank Stocks at par, our banks discounted freely and our imports were excessive; but now when these paper credits have exploded, and we must pay specie for the excess of our imports over our exports, the necessity of a protective tariff is done away.

If I was asked what was the leading cause of the present money pressure, I should say it was the depreciation in State Stocks, they no longer being available in England at any price. Six millions of specie had to go forward last fall to pay for goods, which at other times had been paid for in scrip; this brought our specio paying banks to their marrow boncs. Had England continued to take scrip, there would have been no present panie, but our debt to her would soon have been so large, that our export of cotton and tobaceo to Great Britain, would hardly have paid the interest of it. If I mistake not, this failure of our credit is a better protection against British manufactures, than 50 per cent, increase in our tariff. Hence my doctrine is, let us have a tariff for revenue only, but let it be imposed with such discrimination as will protect those branches of our manufactures that most need it, while it promotes free trade with those nations who take exclusively the products of our industry in payment for their productions.

To say the least of the evil of a protective tariff, its tendency to inflation is inevitable; ruinous competition and reaction must follow—the extravagant habits it entails upon community palsies all the humble charities of social life, and brings economy and self-denial to shame.

OLD HUMPHREY OF THE GENESEES.

23 lbs.

40 lbs.

New Artificial Manure.

We have seen in several English publications, notices of a new manure invented by Mr. Daniell. The following account of it given to the Royal Agricultural Society, we extract from the Boston Courier, a paper always alive to the subject of agricultural improvement, which quotes it from a London paper. We subjoin a letter on the same subject from our intelligent correspondent at Boston; and shall give at the earliest opportunity, any farther information which we may ob-

" It had long been a subject of inquiry, what is the food of plants, how are they supplied, and what are the elements of their growth? There was every reason to believe that a reply could be now given of a more satisfactory nature than had ever been butherto known; besides which, by the discovery of Mr Daniell, a most important corroboration had been obtained of what had been considered the elements of vegetable growth; those elements were carbon or charcoal, hydrogen or inflammable gas, oxygen or vital air, and nitrogen. All these clements existed in the atmosphere, in combination with other elements, in which state they were found to be the sources of vegetable development. It was known to persons accustomed to rural pursuits that the heaps of vegetable substances collected for the purposes of manure, during the process of decomposition, became greatly reduced in bulk and weight. If they investigated the causes of this reduction they would find that it was occssioned by the evaporation of the carbonic acid and ammonia, the principal sources of nutriment to plants. The discovery of Mr. Daniell contained all the elements of vegetable growth. It did not supply new elements, but the same derived from other sources. It was known that by combustion substances were rapidly decomposed, and its operation produced the elements of vegetsble growth. There were on the earth numerous plants which were apparently useless, but it was a principle in nature that nothing should be lost, and they were capable of a reduction into their elements, and being made the means of vegetable growth in other forms. The discovery of Mr. Daniell was enggested by the fact that, while burning vegetables, he observed that the ashes became blackened by the surrounding smoke, and when used in that state were very fertilizing. This led him to investigate the cause, and as the result of his investigation he had cause, and as the result of this investigation in the produced the new manure, the elements of which were carbon and ammonis. With it the principal properties would not fly off during decomposition, as that would take place in the earth. Among other advantages, it was light in weight, cheap, and espable

of being produced in any quantity. "This manure has been applied by the discoverer to his own crops, on three acres of poor land, in an elevated situation, on some of which he has grown wheat four successive years with improving results each year; its good effects are therefore founded upon experience, personal observation, and the testimony of other observers competent to judge. From the nature of the manure, it is applicable, with some variations in its composition, to every kind of crop. It is not a stimulsting manure, in the ordinary sense of the word -that is, it will not have a tendency to call into actvity the existing resources in the soil—but its direct effect is to convey to the soil the direct nutriment of fature growth. This effect is produced by the supply fature growth. of ammonia to the soil in substances calculated to retain it for a time-to again absorb it from the atmosphere—as they give it out to plants during their growth. It will probably prevent also the ravages of insects. Its mode of application may be various, according to the circumstances of the crops. plication by drill is conducive to economy of the manure, and a direct application to the infant plant as is the case with bone dust. Care, however, must be taken that it is not applied too directly to the plant, or without some portion of mould around it. the only precaution needed to avoid danger in its use. There is one required to prevent waste, as it is of a volatile character; that is, to place it several inches in the earth, as the earth will shooth and retain the volatile and valuable part. For grass lands, for similer reasons, it will be well to have it mixed with a considerable portion of ordinary unvalued mould. If the manure, as manufactured, be mixed with an equal bulk of mould, it will be perfectly safe for application; or if the mould of the field be surred over it when drilled it will suffice. The quantity to be used will or if the mould of the field be stirred over it when drilled it will suffice. The quantity to be used will suffice. The quantity to be used will suffice the crop, like any other manure. About twenty four bushels per acre are recommended for wheat, and half as much more, or thirty-six bush-

is, might be beneficially applied for turnips or mangel The most bencheral quantities will ensily contizel. be ascertained by the intelligent farmer

Mr. Hall produced a sample of the manurecoarse black powder, having a strong smell somewhat sembling coal-tar. Samples of the wheat grown by Mr. Danielt were also exhibited, and it was stated, in reply to questions, that the crops produced were greater in quantity, better in quality and weight, and produced with one third the ordinary quantity of seed The manure will probably be about one third the present price of bone dust.

New Artificial Manure.

The knowledge of the ingredients of the celebrated artificial manure of Mr. Daniell, has at length reached this side of the Atlantic. They are as follows:

Any wood mechanically reduced to powder-in plain words saw-dust-this is the basis, and it is to be thoroughly saturated with bituminous matters of all or any kind-to this is to be added small proportions of soda and quick lime, and a very small quantity of

The principles on which this compound is formed appear at first rather obscure, but one thing is apparent, it is an attempt to make an artificial bitum nous coal and to keep this in a state of slow combustion with only the substitution of soda for the potash of the wood and the addition of quick lime. We are not told the proportions, nor how long the compost is to remain before used, nor what the bituminous matters are; the only additional information is that it should be buried two or three inches under the surface of the soil.

Before I proceed farther with an analysis by reasoning of this new artificial manure, I must lay before you well authenticated proofs of the value in agriculture of the products of the combustion of bituminous coal.*

Bituminous coal contains from 13 to 16 per cent, of nitrogen or azote, and 4 to 12 per cent. of hydrogenwhen the coal is burnt, these two gases unite and form ammonia-when burnt in the open air the ammonia goes partly into the atmosphere and is partly condensed in the soot. When it is burnt in retorts for the purpose of affording gas for illumination, the ammonia is dissolved in the liquor used for purifying the gas, and is called the ammoniacal liquor of gas works. According to Mr. Blake, of the Boston gas works, 1 chaldron or 2700 pounds, gives 33 gallons of this liquor, containing 5 per cent of ammonia, and 21 gallons containing 4 per cent-but the strength of this liquer generally varies in different and also in the same gas

In the Gardener's Chronicle, 2d of April, 1812, is a detail of the following experiment made with this liquor:

A large quantity of this animoniacal liquor was tested for its strength-it was found that it took 5 1-2 lbs. sulphuric acid, containing 65 per cent dry acid, to neutralize 87 1-21bs. liquor. It was then divided into four parts-in the first the ammonia was neutralized by phosphoric acid, forming phosphate of ammonia-the second with sulphuric acid, forming sulphate of amunonia-the third with nitric acid, forming nitrate of ammonia-the fourth with muriatic (hydro-chloric acid) forming muriate of ammonia.

Each of these solutions were so mixed with these acids, that the quantity of ammonia in each was the same; they were much diluted, and half a pint of this dilute solution was given to each plant every other day. Thirteen experiments were made with 25 cabbage plants each. The weight of the cabbages taken up in the autumn, was as follows:

No. 1. Liquor neutralised by phosphoric acid, to which was added 300 grains of a mixture of sulphate and phosphate of line,

No. 2. do. by sulphuric acid and the same mix-99 11 s. ture. 73 lbs No. 3. do. muriatic acil 65 lbs. No. 4. do. nitric acid do No. 5. do. with carbonate of ammonia dissolved, leaving the same amount of ammonia with the earthy 58 lbs. No. 6. do. with phosphoric acid but no sulphate or 62 lbs. phosphate of lime, No. 7. do. sulphuric acid 39 lbs do 99 lbs. No. 8. do. muriatic acid 23 lbs. No.9. do. nitric acid do 12 lbs. No. 10. do. carbonate of ammonia do 37 lbs. No. 11. do. with dung alone,

No. 13. do. Poitevin's dried manure, Here No. 5 and No 10 are useless or perhaps worse, -corbonate of ammonia already existing in the liquor, and the addition of more only rendered to solution perhaps too strong, to the injury of the plants, as the result shows.

No. 12. do. without dung,

In No. 56 of the Scotch Quarterly Journal of Agriculture, is an account of 4 acres grass land put under experimental cultivation,

1 acre with 112 pounds saltpetre, 168 nitrate of soda,

560 11 Rape dust,

gallons ammoniacal liquor. 105 " The strength not mentioned, but diluted with five

times the quantity of water. The acre with the nitrate of soda exhibited the ear-

liest luxuriance of vegetation. That with ammoniacal liquor the next, but this soon

surpassed all the rest. That with rape seed shewed the effect the latest, but

improved greatly as the season advanced. The produce from 31 square yards of each was, in

weight of grassnearly the same, averwith saltpetre,

" nitrate of soda, ageing 98 1-2 to 100

pounds. " rape dust, ammoniacal liquor, 126 pounds.

When made into hay under equal circumstances, on the 2d of August, the result waswith saltpetre, 31 pounds,

" nitrate of soda, 32 pounds, " rape dust, 30 pounds,

" ammoniaeal liquor, 46 pounds.

In experiments with other substances as manure, the product with ammoniacal liquor always exceeded considerably the rest.

These appear decisive experiments, as to the great value of the ammoniacal liquor produced by the combustion of bituminous coal. If, therefore, this new manure will give us an artificial bituminous coal, which will of itself enter into slow combustion and furnish vegetables with this ammoniacal product by degrees as wanted, it must be of immense value to agriculture; and in truth this operation will have to be judged of by observation of its continued effects as much as by those of its immediate action. The value of bituminous soot as a manure has never been doubted; but like many other manures, it has too often been applied in such large quantities or in such strong solutions, as have rendered it injurious instead of beneficial. The farther consideration of this new manure I will, how-J. E. T. ever, leave until my next letter.

Bioated or Hoven Cattle.

Mr. Colman-1 saw in the April number of the Farmer a simple remedy for cheaked cattle. It may not be generally known that the same remedy may be used in cases of bloat, occasioned by eating clover, with excellent success.

I tried it last summer for a cow that was so much bloated, that it was almost impossible for her to stand, and in half an hour after tying the gag in her mouth she was perfectly relieved.

Candles from Castor Oil.

[Extract of a letter from Hellsbor's, Illinois.] "I wish it was in my power to give you some information in regard to the manufacture of Candles from Caster Oil, which I notice you ask for in a late Farmer. I have made many inquiries about them and learn on good authority, that they burn a little longer than sperm candles, give quite as good a light, and are harder; also that when the beans are worth one dollar per bushe!, the candles can be turnished at 25 cents per pound. Our farmers are quite content with a dollar per bushel for the beans, which is the price they have borne for a number of years. Although the last season was so dry, beans about us produced well, giving as much as twenty bushels from an acre; and as they were the only article which brought mon ey readily, every one was on tiptoe for mising them. One man, I heard of, who had never raised one in his life, or even seen them raised, was going to plant a hundred and fifty acres with them. The price of oil being reduced from one dollar to seventy five cents per gallon, has very much alloyed this bean fever which began to rage.

This certainly promises to be a profitable article of rultivation. The beans are planted in rows, and require only a clean cultivation; but we do not feel sufficiently acquainted with the culture to give specitic directions. We rejoice in every new production of articles of use, necessity, or comfort. True independence consists in the power of supplying our own wants from our own resources; and the best of all rules in domestic economy is for the farmer to obtain from his own farm, every article of necessity, which the farm care be made to yield. What with the enconraging prospect of oil and candles from corn, lard, and the castor bean, there is some reaconable chance that the sovereignty of the ocean may be again surrendered to the king of fishes.

Celture of the Cucumber.

We know nothing of the advantages or utility of the method of cultivating Cucumbers recommended below, but give it on the credit of our correspondent. On a small scale, if effectual, it is an easy way of getting rid of the enemy, to seent them out with perfumes. An old and eminent physician in Boston used to recommend as the best preparation of cucumbers for the table, to cut them in thin slices, salt and pepper them well, apply a sufficient quantity of the hest wine vinegar, and then throw them out of the window. We know the favoritism with which many persons regard them, but we never see a plate of them on the table without at least thinking of the Cholera. We have known some persons who preferred to eat them after they became, as they termed it. dead ripe, and as yellow as a custard pudding. In this way they were not quite as likely to injure the teeth as cracking walauts.

MR. Eperen-I wish you to publish the following, written by Mr. James L. Enos, if you have room in 0.0.0 your valuable paper.

Culture of the Cucumber, by James L. Enos.

" The best and most sure way to raise cucumbers, is to dig holes in the ground about one feet in depth at the distance required for the hills, then fill these holes nearly full of leached ashes; cover them over with about one inch of fine light earth, sow on your seed, (but not until your land is dry and your seed well soaked in warm water or milk.) and cover it over lightly with fine dirt.

"The ashes will prevent the worms from cating the seeds or the young vines. As soon as the leaves begin to start, and the striped bug begins to cat the leaves, go and pick a handful of Tansy and lay two or three spears around in each hill, they will soon move off for some other place and will not trouble you any more. Hoe them three or four times, as necessity requires.

Fry this manner of procedure and reap your rich reword.

East Ching, Wuoming Co , May 3, 1812.

Western Manners.

Extract from a private letter from a friend at the Hillest

"We are very much pleased with our nearest neighbor, Mr. - They visit us often and treat us with much kindness and attention. His family consists of eight daughters, the oldest 19 years of age, good, substantial girls, who ask no odds in knitting, spinning, weaving, milking and housework. When planting comes, they take the field, armed with their hoes, and go right ahead without any parasol or shoes.

There's for you! Lock here, young men! we were about to say; but the truth is that there is scarcely one young man in twenty among us, a parcel of dandified, segar-smoking, watch-chain-sporting, whiskered and mustachioed monkies, there is hardly one in twenty that has even the shadow of a claim to such a blessing from Heaven as one of these eight girls must be to any industrious, clever fellow, whose only capital is his hands, and who wishes to get an honest living by his own labor. Such a wife would be a fortune in herself; and such a man had better have one such wife than to marry a whole boarding school of your namby pamby, stiky-milky trash, that too often passes under the name of accomplished; poor irresponsible buttertlies! who pretend to faint at the sight of a cow as though it were some foreign wild beast escaped from a travelling menagerie, and, dear souls! don't know whether the milk comes out of the udder or the horns. What are such women good for, excepting to put in a class case. like a beautiful piece of alabaster statuary, to ornament a mantel piece or a china closet; we mean so far as concerns getting a living, taking care of a tamily, or the honest accumulation of wealth. We acknowledge, old and scur as we have grown, that some of them are as pretty as the sweet fairy humming birds, the embediment of every thing that is beautiful and poetic in form and motion, that haunt the flowergarden at the close of the day, receiving and imparting an exquisite delight; but to what substantial use can such things be put? Now we don't object to accomplishments, the most intellectual and the most polite accomplishments; but we maintain that there is no incompatibility between physical labor and intellectual abor that the exertion and increase of the physical strengthens the intellectual newers; that a woman ought to understand as well the use of her hands and her limbs as of her mind; that no bruman being, unless in case of disease or deformity, is justified in living without some userin labor; that while we should feel as averse as possible to subjecting women to any severe and degrading toil, we think that there are many kinds or out-door labor on a farm, which women might perform in company with their fathers and brethers, with signal advantage and improvement to their health and persons, provided only that they will lay aside their iron armer. In this age so preeminent for its frippery and foppery in education and manners, it is quite a relief to find one sensible man, who knows how to bring them up, blessed with eight daughters to bring up. We have heard much of late years of the want of wives at the West. But if this account is at all a fair indication of the state of things there, the demand will soon be supplied by the home growth; and if our own girls in these high tariff times will allow us to say it, we must either produce a better article among ourselves, or he permitted to import from the West duty tree. But we begin to be alarmed at our own temerity in so much as hinting these things; and as the almanac makers say, running down a whole page, we shall "look out for a storm about these days."

Western Adjuncts and Contrasts.

Extracts from a letter from the West .- " I wish you could spend a menth with us now. I don't think our place would seem so forlorn and out of humanity's reach as it did when you was here; travelling will soon be so cheap that you can bring - with you. (Heaven forefend that we should ever venture again without our baggage!) Our neurest neighbor has large orchards of apple, peach and cherry trees. I put four acres in wheat ast fall, which is now looking finely; this spring I have sowed five acres with oats; and just finished eight acres for corn and three for castor oil beans; if the weather continues faverable, I intend to plant ten acres more in corn."

This is certainly all bright and beautiful, and we are sorry that there should be a cloud even so big as a man's hand in this western sky but what earthly draught is unmixed; so we rend farther on,

"C- has not had any fever and ague for a long time and seems to think he has got rid of it. Mr. II -- has had the fever and ague pretty bad this spring--he is better now"-- &c. &c.

We shall add nothing about the currency or money ague, which has been upon them for some time; and in respect to which they are, we believe, past the shaking and have actually become stiff. Wheat 45 cents per bushel, Pork 12 cent per pound, Corn 10 cents per bushel, and no money; so as an Ohio farmer informed us it required only eighty bushels of corn to buy one pair of boots. But then all such lexuries may be dispensed with, as there are no stones upon the prairies; and they are every where carpeted with flowers.

Sale of Mr. Weddle's Stock, on the 29th and 30th of March.

We were prevented from attending this sale, but a friend has furnished us the following account of the prices and purchasers.

Cow Gazelle, 4 years old, sired by Rover, to John B. Dill, Auburn, \$600.

Cow Hebe, 2 years old, by American Comet, J. M. Sherwood, Auburn, \$500.

Lucilla, 1 year old, by American Comet, to Calvin Ward, Bristol, \$200.

Matilda, 1 year old, to Geo. Hentig, Geneva,

Bull American Comet, to Geo. Hentig, Geneva,

About thirty Cows, half and three quarter blood

ed, sold from 25 to 55 dollars each. About twenty-five Heifers, two years old, sold

for from 20 to 30 dollars each. About thirty Calves and Yearlings, with other

young stock of various grades, sold at an average of about 15 dollars each. Stud Colt, 3 years old, sired by imported Turk,

to J. Clark, \$500.

Stud Colt, 3 years old, sired by imported Turk, to T. Weddle, \$525. Stud Colt, 3 years old, sired by imported Turk,

1 Mare, 10 years old, to G. Fordon, \$120. 1 do. 6 years old, to G. S. Rappleye, \$110. 1 do. 4 years old, by Alired, to G. S. Rappleye, \$152,50.

1 Span of Mares, 6 and 8 years old, to G. Hentig, About 30 Leicester Bucks and Ewes, sold for

from 5 to 20 dollars each.
Some fine flocks of half and three quarters blooded Ewes and Wetbers, brought from \$3 to \$3.50 each.

Shi) ment of Improved Stock to Canada.

The steambout America, on the 16th ult., took on board at this place a fine three year old stud colt, bred by Thos. Weddle, and sired by his imported horse Turk. Also, a very time Durham bull, 2 years old, and a Durham calf; all purchased of Mr. Wed-die, for the Northumberland Agr.cultural Society, by The passions are good servants but terrible masters, I two gentlemen sent over for that purpose,

To Correspondents .== Bee Management. W. S. T. on the Management of Boes invites the attention of our readers to a small but important subject, and one intimately connected with household oconomy. We agree with him in his estimation of the value of the Vermont Patent Hive, by John M. Weeks, and we know no better book of the size, indsed none so good, as that of Mr. Weeks on the whole management of Bces, two or three editions of which have been published. We have on hand a manuscript communication from Mr. Weeks on the subject of bees, and one from another friend J. V. C. S., which we shall presently give to our readers. John Shell, of the city of New York, a member of the Society of Friends, is likewise the inventor of a Hive, made from a flour barrel, and which may be suspended any where; of an excellent construction, furnishing facilities for obtaining the surplus hency at pleasure, preserving an equable temperature in the hive both winter and summer, and almost obsolutely effectual against the entrance of the Miller. We design to have in our office at Rochester, for the gratification of those interested, a model of Weeks' and Shell's Hives. Thacher's and Griffith's Hives are likewise good models; and all go upon the principle of not "muzzling the ex that treadeth out the corn," and abandon the old atrecious system of Algerine Piracy, first to murder and then rob.

An excellent Hive, Beard's, has likewise been invented in Maine, which we know only from the recommendation of others, but which we mean to inspect the first opportunity. We learnt the fact of a single individual baving sold the summer before the last to the value of more than one thousand dollars in Honey and Bees. This is more than many farmers, even in Western New York, obtain for their year's crop of wheat. We found in Vermont last summer, on one farm a stock of one hundred and twenty-five hives. This bee-master gave a decided preference to Week's Patent Hive over every other, that he had

Nutt's English Hive is a beautiful erection; highly ornamental in a garden or orchard; and combining in an eminent degree all the desirable properties. The Bee Houses, as they are called, and the keeping of bees in garrets, have generally failed after two or three years, some through the ravages of the moth and some for other reasons.

Management of Bees.

Mn. Colman-Having been a reader of the New Geneses Farmer for about two years past, I have as yet seen very little written upon the management of the honey bee. Feeling an interest in this subject, I send you a few brief hints as to the best mode of protecting the honey bee from the moths, that they may not destroy their useful works. The farmers in this vicinity, at an early day, kept bees to good success. Of late years the millers have become so troublesome that it is almost impossible to keep becs. More care and attention are required now at the present day to keep bees, then when the country was new. A few years ago, many farmers in this section tried, by way of experiment, small houses for the honey bee; but this was not an effectual protection, the moth soon get possession of the building and destroyed them. The common hive is better than auch buildings if set in proper places and taken good care of. The best hive in use, is, in my opinion, the patent hive invented by John M. Weeks of Vermont. In order for us to keep bees as formerly, we must obtain this new patent hive, and give our leisure moments to the care of them. The moths and millers are more prevalent new than formerly. It is therefore highly desirable to obtain a hive that will be a preventive against the moth. With proper exertions we can, in my opinion, keep bees now as well as formerly. The patent hive to themselves also. Allow the visitors at your place

is preferred to any other for this resson, that we can obtain the sweets of life at any time without killing the bees. There seems to be great cruelty in killing such industrious creatures. The patent hive is not much used in this section, but the time is not far distant when it will be the only hive in use. As soon as farmers make a trial of them, they will abandon the common hive. The common hive will answer very well in a new country, where the moths are not so prevalent. The great difficulty in keeping bees in this country, is in the mothe and millers obtaining possession of the hive, and thus destroying those ingenious fabrications which are beyond the power and wisdom of man to construct. I shall continue my views upon this subject hereafter.

South Venice, 1842. W. S. T.

For the New Genesec Farmer.

Mr. Colman-If there are any evils which require philosophy to support them, we think those of an editor among the number. And if question asking is to be ranked among these evils, we think as the thirst of knowledge is being more and more excited in the feverish mind of man, these evils must continue to in, crease until the fountains of knowledge are widely opened. There is no way to open these fountains only for avery one to put forth a helping hand. We must have our Davids in the field as well as our Goliaths; and if the stature and strength of the former falls far short of those of the latter, the good will manifested, will in some measure compensate for the deed.

We have noticed with some sympathy, the dilemma in which you are placed by the catechising part of your subscribers. Why sir, if you had as many pens as you have fingers and should keep them in constant practise, you could not stop the clamors of this enquiring truth seeking age. Prompted by these reflections. I have sent you my mite, hoping in a particular or two to relieve you from embarrassment in which you are placed. In answer then, to the enquiry of your Connectiont River correspondent, respecting bees, permit me to reply.

That the best way to keep bees through the winter, is to keep them cool, dry and dark. This may be accomplished in various ways. We have buried them with good success. But the season must favor this operation, or it will not succeed so well. In open winters like the past, we should not approve of this course, for by the frequent thawings of the earth. they are liable to get wet, mould and die. The best success attends burying, when the ground freezes immediately ever the hive and remains frezen until Spring. In winters like the past, keep them in a cool, dark room, where the storms will be entirely excluded from them. In such places they will be likely to remain dermant, which is much in their favor.

Summer management. Salt your bees as often as once a week; if oftener better. Water them at some pure stream every day. Now friend of Connecticut River, we are not heaxing you. Bees entsalt. Its qualities are also enti-meth. If a little remains around your hives, it will help you to guard against these pestiferous animals. Though your bees may sometimes be rather obstinate about driving to water, vet rest assured, that if you locate your apiary near a good fresh stream or pool, as you should do, they will soon find the way to it themselves, after which, you will have no trouble of driving, for when found, they know and appreciate the excellency of its cooling and cleansing qualities as fully as the most fastidious of our own species. Let their hives, also, be in a cool and quiet place, not so near the highway as to endanger the horses of passers by on a sultry day, for such a rencontro would not only be fraught with dangerous consequences to your neighbor and his beast, but

to ask such questions as they please with regard to their prosperity, but do not allow them to run among your hives, lifting up this and dramming on that, for the little warriors will be aroused if you do, and very likely punish you for "allowing liberties to be taken with them." Keep cool when you go among them; they like system, and to have every thing done at the right time and in a right way.

At swarming time, in particular use discretion, and do not be in a harry. If you wish to blow tin horns or drum on old pans for your own amusement when they are rising, you can do it, but they will pay but little regard to such ceremonics. The Shakers in New Lobanon, who are the best bee managers we know of, have nothing to do with this flummery. They set a shaker hat on a pole some four or five feet high, (probably the hat of their chief sttendant, which they will know as quick as a dog will the back of his master,) and the swarms frequently alight upon it. These people have the confidence of their bee community so much that they handle them with as much indifference as they would flies. Bees are susceptible of right and wrong in their transactions with the bee keeper, and appreciate kindness as fully, as some at least, of our own species.

Do not over stock your premises. It is necessary that there should be labor enough for the hands to keep them all busy. In this way they will keep in health. and when a strong vigorous swarm exists, there is but little danger of invasion by enemies.

Cultivate flowers, especially the white clover, a beautiful plant, which is very ornamental to highwave and pastures. If your bees do not derive sufficient henefit from it to compensate you for your pains, perhaps your cows will. Cat mint is also a favorable plant with them, not for its medical properties, for industry gives them health, but for the honey they extract from it. The current, geoseberry and raspberry are also valuable for them. So is Mignonnette one of the prettiest little flowers of the garden and long in bloom. Set the plants two feet asunder and it will occupy all the ground. W R

Mount Osceola, 1842.

Naked Barley .-- A Substitute for Wheat.

MR. COLMAN-In a late number of your paper I beerved a notice of a new kind of barley called "Pearl Barley of the West," which was grown last season in some part of Michigan. The same kind of grain, I presume, has been cultivated for two or three years in this vicinity; and the notice above alluded to reminded me of a beautiful crop of it which I saw growing last summer upon the farm of Mr. Walter Gillespie, a successful and enterprising farmer in this town. Subsequently I made inquiries respecting it. and I subjoin the information gathered from him-

This barley is six rowed, and resembles very much while growing the common six rowed barley; it is a naked barley, the grain threshing out clean from the busk or hull like wheat; the berry is about the colour of the red chaff wheat, but in shape somewhat longer. The quantity of ground sown was about two acres in an orchard; soil a light sandy loam; the previous crop was barley of the common kind, the stubble of which was plowed under, the seed sown upon the furrow and harrowed in. Three bushels of seed were used: the crop was mowed and gathered up in the same way as hay; and when threshed and closned it measured a little over fifty bushels, and weighed aixty five pounds to the bushel, Mr. G. has had some of it ground and belted, the flour was very fine and white, more so than that from our best winter wheat; indeed the miller stated that by these two peculiar properties only, could it be distinguished from superfine wheat flour. The bread made from it was whiter than wheat bread, and would not be suspected as being

any thing else by the taste. I have heard but one objection made to this grain here, and that is the difficulty of threshing it-from its adhering so firmly to the straw. But this objection will not have much weight with a good farmer, for what is not separated nelds to the value of the straw by making it more palatable to his stock, by when it is devoured with great avidity, and thus goes to a good account not only in the improvement of their condition, but also as a subetitute, and a cheap one too, for hay. But my object in calling your attention and that of your readers, and will not only benefit themselves individually, but the more particularly those of New England to this grain, is to suggest to them the cultivation and use of it as a good substitute for wheat, if it should prove, as I think it will, a sure crop on such soils as are not adapted to the latter. And on the send can now be procured for about the price of common bailey, and the expense of cultivation would not be great, I would respectfully recommend to my brother farmers "down east" to make a trial of it, and give the result through the colninns of your paper.

Mr. Editor, I am a plain practical farmer, -nne of your streight forward, every day sort-having always the scars of that most ancient and honorable occupation upon the palms of my hands. And I would here like to say, not only, to you but also to your host of readers, that when you see a communication with my name attached to it, you must not expect to find it written in a amooth, flowing, finished style, with a studied degree of perspicuity and elegance, according to all the rules of silk glove huebandry. But you will rather find it plain, off-band, farmer-like; using as much as possible the manner and the terms of an every day conversation between farmers. And I cannot but hope that you will grant me your forbearance end forgiveness, if I do occasionally

" Enock pronouns, nouns and verbs about. Put soverhs in a flurry; Run interioctions out of breath, Conjunctions harry skurry

To the real death of Dilworth, Dyke, Horne Tooke and Lindley Murray."

J. HORSTIELD. Castile, Wyoming Co., N. Y.

(We are always glad to hear from our friend Horefield. We like his plainness, frankness and spirit. If he does not write good grammar, we have not diecovered it. We know what he means; and that is all we want to know.

The Naked Barley of which he speaks, or as some call it the Wheat Barley, is not unknown at the East. We have seen it repeatedly, and in one instance we knew a trader to take it in for a new species of wheat. But whoever eats wheat bread and barley bread near together, will not be at a loss for the difference. The difficulty of threshing is not of much consideration. The grain deserves cultivation and makes good bread when warm, if the bread-maker does her duty. By Davy's tables, barley most contains a large proportion of nutritive matter : being 920 parts in 1000, viz -790 of mucilage or starch, 70 of sugar, and 60 of gluten. It is highly nutritious when mixed for cattle and swine. -- Editor 1

Value of Agricultural Knowledge .-- Rolling Land.

MR. COLMAN-Having been a constant reader of the Genssee Farmer since its first publication, I have been interested and have found it profuble to practice in accordance with its recommendations.

I have also been much assisted in the arrangement of my farm, in preparing the soil for different crops, and in determining what kinds of grain will follow each other with success, by the experience and experiments of brother farmers, as made known through your valuable paper.

the present day. If I understand the character of your paper, in it there is a door opened through which farmers (though living in different parts of the state or of the United States) may, as it were, meet in one general delegation and confer together, by relating the results of our experience and the improvements we have made in the culture of the soil. By taking advantage of the privilege you set before us, the inprovement made by different farmers in agriculture, ened and prefited by the great improvements of the

I am fully sensible, that the influence of the light and truth, now being disseminated throughout our country by the means of agricultural periodicals, is what the farming interest has long needed. Through these means we have the assurance of great and lasting blessings to the farming community; and in the same ratio that they are blessed the whole of mankind is benefitted. Your paper, with others of a kindred spirit, is exerting an influence through which the country fellow, as he is sometimes called in derision, is to be elevated to a man among men, to his proper standing and character in the community.

Farming has had my attention and labor from my youth, and as I have endeavored to influence farmers to speak through your paper to other farmers, I would not be behind hand, though I have nothing remarkable to communicate. I would say one word as to the practice of rolling land.

This practice is beneficial in most cases, especially on a loose soil, and capecially so when we stock down land with spring crops. By rolling land after the grass seed is sown, it compacts the earth around the seed without covering it so doeply that it cannot come up; it sesists the carth to retain its moisture; the seed sooner sprouts and comes up, and the drought does not so readily destroy it.

I seeded a field of nine acres to clover with oats last spring, rolled it with a heavy roller, and the seed took well and looks finely, whilst most other pieces in this neighborhood were cut off by the drought. It was also beneficial to the cat crop. It was a faid upon which I had raised five successive spring crops; five acres of the nine had never been manared, the rest not heavily.

I sowed upon the nine acres 30 bushels of seed; they stood up well when I harvested them. I threshed them the last winter and had 575 bushels, weighing 34 lbs. to the bushel, averaging about 64 bushels

Land should always, if possible, he dry when it is rolled; then it does not make the earth hard and imnenetrable to moisture.

Yours with respect, JUSTUS TOWNSEND. Ira March 26th, 1842.

The above crops must be deemed large, and Mr. Townsend's experience of the value of a roller on his farm, is fully confirmed by the experience of every other farmer, whe has judiciously used one. No farmer should think of being without a roller hardly more than he would think of being without a plough; that is a roller should be considered as absolutely indispensable .- Editor.]

An Apology for not Advocating High Tariff Restrictions.

I was somewhat surprised to learn that my January article on Tariff and Homa League, was regarded by a subscriber and his friend as evidence of a want of patriotism in the writer; the more especially as I have ever advocated in the columns of the Farmer, the importance of fostering domestic industry, and building This is an age of experiments, and this accounts up a home trade as a certain market for the farmer, a Elerator.

for the valuable incorporate in agriculture made of hold of hope, ten fold more one and stedfast, than all the foreign demand of all the world besides. The subject most certainly demands the freest discussion and inquiry, and if I mistake not, the great bulk of the candid and inquisitive rural readers of the New Genesce Former at least, are not averse to that free discussion on the subject of national economy, which alone can keep us as a people, intelligent and free. I have supposed that every farmer wants to know why the times are so out joint, and if I give him my simple opinion of the causes as I understand them, or by whole mass of farmers who wish to become enlight. virtue of my poor experience, I hope he will not arruign my patriotism, for I love my country in these last days of her gambling excesses, as a mother loves her long lost predigal son.

> The theory of a protective tariff and retaliatory duties, recommends itself directly to the feelings of the superficial observer, and he becomes averse to listen to the detail of such facts as may overthrow his long fortified position. The restrictive policy of England is cited by high tariff advocates, at one time as an example for us to follow, and at another time as giving necessary cause on our part for the enactment of counteracting restrictions. But when we reflect that the restrictive policy of England has grown with her growth, until such is the fearful factitious state of her civilization, that free trade would at this time only compass her utter desolation ; ought we not to pause before we follow the example of England in her career of high tariff restrictions; at least to the extent which is proposed by the high tariff advocates of the present day.

> A cold damp climate, a contracted territory, and a dense pent up population, present the excuse of stern necessity for Great Britain. But with our extended country, all producing soil and sparse population, we are reduced to no such hard alternative. Counteracting restrictions would only aggravate the ills we suffer. Can it for a moment be supposed that England will ever cease to stimulate her agriculture to its highest point of production, when that agriculture as it is, only can enable her to exist in time of war, to maintain her political integrity, and feed her masses independent of aid from without? Will a nation whose enormous home trade is little less than £400,-000,000 sterling consent to prostrate the great supporting interest of that home trade, in order to encourage a trade of a few extra millions with us? I think not.

> Why is it that New England, the great work-shop of the union has never advocated a high tariff? because her sound laws have kept her currency sound ; while Pennsylvania, a state with a population equally frugul and industrious, is crying out in the dark hour of her distress for a tariff, thus vainly hoping to cure the evils of a legalised depreciated currency, by a collateral inflation.

> I am in favor of a tariff ample for the purposes of revenue, framed with such discrimination as will fovor both revenue and protection to our home industry. Any higher tariff than this cannot fail to be disnetrous to the three great interests of the nation, agriculture, commerce, and manufactures.

S. W. Waterloo, March, 1842.

Fnry.—Envy ought, in strict truth, to have no place whatever allowed it in the heart of man,—for the goods of this present world are so vile and low, that they are beneath it; and those of the future world are so vast and exalted, that they are above it. -Lacon.

Workingmen should be especially careful to treat each other with urbanity, and politeness. They will always feel better for it and command the respect of others. Politeness is what every man owes to every other whom he acknowledges worthy of respect.



ROCHESTER, JUNE, 1842.

Acknowledgements to Correspondents.

Cast Iron Sun Dial .- We acknowledge with pleasure an Iron Sun Dial from Sheldon Moore of Kensington, Conn. It is well cast and neatly graduated, and may be confidently recommended to farmers, who now go by a 12 o'clock mark, and some of whose wooden clocks from the land of steady habits are quite sure to be right twice in twenty-four hours, because they politely wait for the hour to come up to them. Heaven sends to man no more beneficent monitors than those which mark the flight of hours. They seem sometimes very unseasonable and often sad, but always useful counsellors.

Subsoil Ploughing .- S. A. inquires what is subsoil ploughing, and if it is any thing more than ploughing a field deeper than it was ever ploughed before? Subsoil pleughing consists first in making a furrow with a common plough, say six or seven inches deep, and then following in the same furrow with a plough constructed for the purpose without a mould board, which shall effectually loosen the ground eight orten inches deeper without bringing it upon the surface. By this process, especially connected with a thorough system of under ground draining, the whole land being loosened to a depth of sixteen or eighteen inches, all superfluous moisture is carried off, air and warmth are admitted into the soil, by which vegetation is greatly advanced, the roots of the plants more easily extend themselves, and portions of the lower soil being gradually brought to the surface, the whole becomes by degrees enriched under the action of the atmosphere, and by cultivation.

Remedy for Heated Cattle.-S. A. recommends when an ox suffers by heat, to throw salt down his throat at the rate of a pint per day, and to do this day after day, until the ox has quit complaining. This would be effectual without doubt; but would it not be quite as well to salt him regularly in the barrel? This giving a sick animal medicine until he has done complaining reminds us of the practice of some physicians, (Quack doctors beyond all doubt and none of the Medical Society,) who succeed in stopping all complaints but those of the heirs of their patients when their bill comes to be presented. It is somewhat akin to De Foe's Short Method with the Dissenters, recommended to the dignitaries of the established church, which advised to have then all.

Social Evils .- The communication of Veritas upon Social Evils is under advisement. Her politeness is respectfully acknowledged. Her views are strong; in the main just; but if she gives us a third specimen of her quality after this fashion, we shall set her down as an arrant scold; the last thing that would ever come into our heads, when we look in her face and hear the natural tones of her gentle and musical voice. She charges us with deficiency of hope and want of trust in Providence. We have trusted in Providence all our lives, but still don't find things come out just as we would like to have them. The reason, we believe, is that our views do not exactly accord with those of Providence. Had we made the world we would have had no storms, no night, no sickness, no sin, no suffering, no death. But Providence permits all these things, which we call evils. Many people often ask us, can't you trust in Providence to put an end to war, and slavery, and drunkenness, and oppression? We could, ces, we should not be so much disturbed by it; but

ceited wisdom; but what folly and presumption and madness to expect this! As these things have been suffered to prevail ever since man was created, experience certainly gives us no reason to suppose that they will not continue as long as man continues to exist. We will contend against existing evils as long as we can and with what little strength we have, and be thankful when the sun breaks through the thick cloud and cheers us with a spot of light, if no bigger than the palm of our hands; but we confess, after the experience of more than half a century, it is almost hope against hope, and is somewhat like a man's venturing into the rapids of Niagara. If by chance he gets back with his life, he is sure to come out dripping and bruised; but he is most likely to be earried down by the torrent, which seems destined to flow on, who can say how long, in all its violence, turmoil and frenzy.

Zelia has fled and is clearly guilty of a breach of promise. If we had her true name we should find a legal remedy. But like a South American belle, she wraps herself in her incognito. With our friend W. B. it is clearly a dead shot. His charmed imagination has invested her with every thing beautiful and celestial. It is cruel thus " to strike and conceal the hand."

To W. C. W's inquiries respecting the plan of building described in our April number, we answer.

1st. It would undoubtedly be better to have the lumber well seasoned on account of the plastering. 2d, Boards 1 1-2 inch in thickness would answer as well as inch boards,-the thinner the boards undoubtedly the firmer the work. 3d, We are not prepared to say that it would not be equally well to lay the boards in lime mortar as to nail them; but have not seen it done. It strikes us favorably.

Flora in reply to Zelia, J. S. D. on Condition of the Farmers, Turnipseed, Inquiries respecting Wheat, J. R. B. on Silk Culture, S. C. L. on Threshing Machines, J. W. S.'s second valuable communication, B. M.'s remarks on Condition of English Farmers, inquiry respecting White Daisy, J. Mc. L.'s inquiries respecting Stearine from Lard, J. C. on the same subject, A. G.'s plan of a Cheap House, B. K. D. on Pruning, and various other favors, which we have no room even to particularise, are necessarily excluded by the press of matter previously received. We shall do what we can to clear the docket at the next session of the court, and hope our friends will give us many new

Plagiarism or Poaching; or in the language of the Coves, Lifting.

The Farmer's Gazette in Conn., publishes, without the customary credit a long article, which cost us some pains to prepare, on raising Indian Corn for fodder. This is soon after copied into the American Farmer as from the Connecticut Farmer's Gazette, and now reaspears in the Southern Agriculturist under the same head. This is all very grantying to our self-esteem and our honest desire to be useful. As to its morel bearings, we mean the rules of editorial courtesy and justice, we submit to the honest judgment of those who are taken in the fact.

We have been honored in a similar way recently hy our good friends the Family Visitor and the Boston Cultivator, which they will probably set down to the head of fair consining; and, as being all in the family, we will not complain. Even the old honest New England Farmer has got some few spots upon its hends. We say this in the most civil and friendly manner: and se sure as we should unfortunately discover that we have disturbed a single live hornet, we shall beat a retreat; and to those who have taken away our cost we shall surrender our cloak also.

But this is not the whole of it. If we were introduced to the public only under such honorable auspiof the mutton-heads follow. So our old clothes nie at last hung out at every Jew's stall in the country, and represented as bran-new and of the lattet fashion, without a word being said of the real statcher, nor even of the goose that pressed them. Now all this is very comforting to one's vanity, but it does not butter poor Snip's bread.

Sometimes in such cases we think that our wares, poor as they may be, are like the sheep upon the island of Nantucket, where in shearing and killing time, like gentlemen among the umbreliss and hots at the close of a fashionable party, the proprietors ge upon the rule of taking the best until all are gone. Gentlemen ! in all cases of future appropriation, we beg of you to look at the ear-marks. For ourselves, we belong to the non-resistants, and shall knowingly go upon no marsuding expedition. We shell sail under no pirate's flag, though the agricultural sea is now covered with the noblest barks, spreading their canves to the breeze and laden with the richest cargoes. We navigate only a humble coasting sloop, with a bit of bunting at the mast head mercly for a weathercock. We mean to carry an assorted Connecticut variety cargo of nicknacks, useful in a tamily way, but no wooden nutniegs or basswood melon seeds; and if any of our good friends desire any of our humble wares for use or disposal, they are welcome to any or all of them, if they will not tear off the shop bill. We hope we shall not give offence : but for fear, we can only add, "Rips mended gratis." Analysis of Soils.

G. W. of Northbridge, inquires as to the analysis of soils. We are entirely satisfied that no common farmer can undertake specessfully this difficult chemical investigation. Davy has given some directions for doing it in his Lectures and Chaptal in his valuable treatise on Agricultural Chemistry, but neither of them is deemed satisfactory or accurate by modern Chemists. Dr. C. T. Jackson has treated to the subject in his Geological Survey of Rhode Island. It requires apparatus, preparation, and practical skill onite beyond the reach of persons who have not made chemistry matter of long, careful study and practical application. We want, therefore, a State Chemist, whose business it shall be to examine, chemically, soils which may be sent to him. But in order to understand how much valuable knowledge even the most common farmer can acquire of the nature of dif. ferent soils, we would refer our correspondent to n treamse on the physical properties of soils in the second number, vol. 1. p. 177, of he Transactions of the British Royal Agricultural Society. This is a paper of very great value, and there are several others relating to the same or kindred topics in the same excellent work, which has now reached to its third volume. The paper to which we refer is practical as well as scientific, and has likewise the great merit of being intelligible. We shall presently give it to our

For various reasons, which we shall some time give more at large, we have not the same confident anticipations of extraordinary benefits to be derived from the chemical analysis of soils, which many persons look for, unless by a process not yet adopted, we first ascertain what the soil contains before the plant is grown in it, and what it contains afterwards, that we mey if possible, determine what the plant has taken from it. But the great difficulty is, that in the process of analysing the soil, filtering, drying, burning, andso-forth, many subtle matters entirely escape; and such new errangements and combinations take place, that from the condition to which it is then reduced, it is difficult to determine what it was or how it operated in its original condition. We suncipate most valuable results from the analysis of crops and manutes, if Providence would regulate its measures by our con- when the beliwethers jump over the fence, all the rest and much from the analysis of soils, but what has

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been accomplished in the way of explanation, h served little else than to convince us of our renormal and to show us how profound, to human perception are the subtle impotences of vegetable and animal life

Convention of Ploughmakers and Farmers A convention of Ploughmakers from all parts of the country and others incerested, is appointed to be hot en in Canandaigua on Monday, the 20th day of June inst. This day precedes the meeting of the Cucu-Court, when it is expected the cases of the heirs of Jethro Wood against several ploughmakers for an alleged infringement of his patent right, will be tried.

The ploughmakers in different parts of the country have been threatened and visited with vexations suiton these grounds; and their confident expectation is by eliciting such facts as may in this way be brought to light, to show that Wood had no just claims to an exclusive right in the case; and that the extension of his patent was surreptitiously and fraudulently obtained; and thus put an end to these prosecutions.

It is a subject which concerns all the manufacturers of cast iron ploughs throughout the country, and the farmers generally, who, so long as this claim remains must be taxed for the patent right of every plough they purchase. As much valuable information connected with ploughs and ploughing may be thus incidentally brought out, it is earnestly hoped that the attendance of farmers and others interested will be general.

Canada Thistles.

A correspondent G K. inquires if "in respect to that vilest of all weeds, the Canada Thistle, something cannot be done for its extirpation. It is really high time that the farmers look to this; and that immediately. If something is not done soon, the whole country will be nothing but thistles. In vain may the industrious farmer out and plough and plough and ent, and endeavor to extirpate this vila weed, if his neighbor is allowed to supply him from his land; and it would seem as though the seed thus supplied from a neighbor is better than our own,"

We agree to all this; and consider such a neighbor as he describes who willingly, by positive act or by avoidable neglect, inflicts any injury upon his neighbor, is even a viler weed than the Canada Thistle, and deserves to have his goes powerfully rubbed with a good bunch of them three times a day until he reforms. But there is no legal remedy in this case, though we think there should be, since there are few ways in which a man can more injure his neighbor than by filling his field with noxious and untractable weeds.

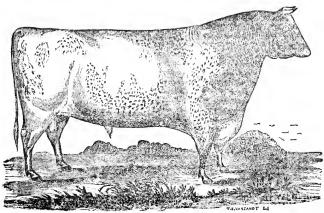
With respect to the destruction of these weeds, a farmer in Le Roy states that four ploughings in a season will effectually destroy them, and that after this he has taken a fine crop of wheat on the same land. considering the ploughing in of these thisfles and their decay as a fine preparation or dressing of the land for the whest. This in some degree conforms to the experiment of Mr. Kelly in Haverhill, Mass., who ploughed in an abundant crop of charleck or wild musiard three times in a season, and obtained a crop of rye of thirty seven bushels to the scre, where before not more than from eight to thirteen bad brin the usual product. Of this remarkable and most anstructive experiment we shall give a full account we shall G. K. promises that method of de-troying Canada Thirtles. Pay your note by all means. We understand it as now due.

Wind Mill.

J. Horsefield says in a P. S., "Allow me to say to Mr. O. Wayte, that he will confer a favor on me and propably on others, if he will give in your paper a plan and description of the Wind Mill which he noticed in a late number.

Mr. Whyte, piease to comply. We know your kindness in days gone by. There are few men of whom we would soon rask a tayor.

THE EDITOR. Your old friend.



IMPROVED SHORT HORN BULL "ARCHER."

OWNED BY J. M. SHERWOOD, ESQ., ALBURN, N. Y., Which obtained the first Premium at the Foir of the New York State Agricultural Society, at Syracuse' Splember 29th, 1841.

"ARCHER" is in color mostly white, with a roan head and neck-his body has some roan spots-was 9.119

d by F. Rotch, Esq., Butternuts, Otsego	Co., N. Y.	. Calved 15th	of June, 1837.	Sired by Roll
Dam, Adaliza, by Frederick, (H.I.	3)1::60 [o, sired by Patrio	
G " Adelia by Oroheus,	473		Romp by Admir	
G.G. " Alpide by Alfred.	23	G. "	Moss Rose by Y	oung Denton,
G. G G. " Strawberry by Windsor,	698	G G. "	Rosa by Young	Denton,
G.G.G. G. Old Dairy by Favorste,	252	G G.G. "	Ruby by Dentor	
J.G.G.G.G. " Old Dairy by Punch,	531 C	J.G.G.G. **	Old Red Nose by	Frunnell,
G.G.G.G. "Old Dairy by Hubback,	316]			

Salt and the Grub Worm.

MR. EDITOR-Through the columns of your valuable paper. I hope to make the public acquainted with the value of the common black grub, as an agent in the cultivation of core, when their labors are directed by the geoins of man. This, sir, is a new position, a position which has for its foundation that there has nothing been made in vain, but that all things were made for the benefit and service of man and subject to his direction, and that it is only in the ignorance of men that worms and insects become a scourge upon the face of the earth. The grub has been literally corsed for following the instruct of his nature, which teaches him to cut the corn and reject the grass and sorrel, with which our fields are generally filled. Now, sir, if those who have emsed the grub and have advised the agriculturist to follow him with a sharp piece of tin or a knife, with which to decapitate him. or to tie bim up in a rag and let him float down stream, bad but applied common salt to the hills of corn in the place of gypsum, then, throughout the land, the merts of the grab would have been duly appreciated, then he would have destroyed the grass and sorrel in place of the corn,-thus materially siding the agriculturist.

In my humble opinion, the introduction of salt as a manure, and to prevent the ravages of the grab, will be of incalculable benefit to the country. Upon our turn we have used salt as a manure and as a protecnon to the corn from the grub, for a period of seven or eight years. We ought to be capable of judging of the benefits which we have received from using it, During this period we have missed the application but one season-the result was the loss of our crop ; from a held of about twenty acres, we harvested but one eart load of corn, where, had not the grub injured it, we should in all probability have harvested fifty bushels to the acre. Last senson, 1811, we planted about twenty acres; the grabs were so plenty that we despaired of protecting it from them; indeed, upon an average, I should think there were twenty to every

hill of eorn. We applied one bushel of salt to the acre; the protection was ample; scarcely a single blade was touched, but every spear of grass and sorrel was destroyed by them, and in this way they assisted in the cultivation. The application should be made as the corn is just peeping out of the ground. The salt should be put exactly upon the bills, and at the rate of one bushel to the acre-mare than one bushel to the acre would do no barm, provided it is put on with common indement. One bushel is sufficient if properly applied.

If you think this communication will be of any benefit to agriculture, you will please publish it and oblige a constant reader of your valuable paper.

THOMAS N. ALLLEN.

Salt Point, Dutchess Co., 1842.

There is some wit in the foregoing, and we believe as much truth as wit. We know a farmer in whose statements we place entire reliance, who has been acenstomed for years to put a quantity of salt and mix it well with his manure, which he intended to put in the hill at planting. It has happened repeatedly in these esses that his own corp has been uninjured by the grab, while his neighbor's just over the fence has suffered severely. He is confident of its efficacy. The application of salt to the hill, as described by our correspondent, is a new mode .- Ed.

Agricultural Publications.

Wiley & Putnam, New York, are importing and republishing with great spirit, several English Agricultural Publications of much value. Liebig's Agricultural Chemistry has gone to a third edition at the Cambridge Press. Dana's Muck Manual for farmers. is on its way to a second edition. Little & Brown, Boston, are importing constantly many valuable works on Agriculture and Gardening. We shall get up and keep up with our notices of them presently. A valuobie notice from J. E. T., of Johnson's Lecture on Agricultural Chemistry, republished by Wiley & Putnam, is necessarily postponed.

The following article was written for our May number, but was unavoidably deferred .- Ed. 1

Many thanks to Zelia for her invitation to the "Indies' saloon." We shall "walk in" and have a chat with her, Capt. Colman's label over the deor, "no admission to gentlemen," " to the centrary notwithstanding." And if, or eupposing, (as the case may be.) the old gentleman looks a little awry at us, why, we'll make the best we can of it, and if he is really vociferous against us, we'll take passage in another had next time, and ten to one if we do not take some dozen or so of his passengers along with us. But for Zella, how shall we approach her pure spirit, with a basket of vegetables or a bonquet of flowers? She is certainly descreing of her choice, one so eloquent in calling her country women to the path of duty in a time of such calamity as the present. Surely she must be one of a thousand. Yet why do we dwell upon the excellencies of one who fully developes her own merits, and who is emphatically "above all praise."

Floral Department, == Annuals.

It is a very common if not almost universal error in the culture of annual flowers, that they are sown too thick. Of course, the consequence is, that they grow up in a dwarfish and imperfect manner. Their thickness should be in preportion to the size which they will paturally attain. China asters and plants of that size, require to be at least one foot apart, in order to give themselves a full developement. Zinnies, immortals, &c., eighteen inches; gilliflowers and balsams are very imperfect, comparatively, unless they have smple space; to Mignonnette two feet at least, should be allowed. In preparing the ground for the reception of annuals, too much pains cannot be taken for its pulverization, nor can it, in most cases, be made too rich. Let not the farmer deem the manure lost which is put upon the little patch which the females of his household ask for their flowers. Though it may be taken from some other portion of his premises, where its good effects would surely have been visible, it will produce consequences of a most cheering charnoter in its present investment, by encouraging his daughters in pleasant habits of home industry, while those of his neighbors, it may be, for want of this health-promoting, good taste-exciting employment on their own premises, mny become wanderers forth among the daughters of the land, to their own injury. and may be, to the annoyance and injury of thosa who ought not to be contaminated by their influence. But if economy, which surely ought to be a universal watchword scowls too hard at the idea of a little compost for the parterre, by putting on her specs and pushing her investigation of domestic concerns a little further, after the demands of the farm and the vegctable garden have been supplied, or "every thing has been raked and ecraped" to estrafy their demands, and they, like the sorrowing creditor, who trusted too far, when the errogant debtar comes to require an acceptance of a dividend or nothing, have yielded to the necessity of the case, will find in certain bye wave and about hedges enough to satisfy the demands of Flora, which, unless it were gothered up and offered at her shrine, would have been lost, or worse, would have tended to promote luxuriant growths of weeds. the vile pests of the farmer's interests, and foul spots on the beautiful surface of his columnted territories. If this plan is thought foolish or wasteful or out of place, we have another remedy to apply, by which and breadth; and have carried home at great expense, these objectors may pursue the even tenor of their their rich and veried productions. The Garden of way, and yet flowers be made to apring up and bloom in loveliness and beauty and partitine the air with tained some of its most valued specimens from our healthful fragrance. This is to throw the haulm of wilds, and the parks of the lords of ancient Britain the flowers into the tarm yard when the season of are decorated with trees and shrubs of our republican

In this way, flowers will work their own passage and pay toll. The form of flower gardens, is best when left to the taste of the occupant. Thus a great variety of flowers, in possing through a country will precent themselves, to invite the attention and excite the admiration of the beholder.

The Shrabberr.

It any thing can be more diangreeable to the mind (i. e. as regards man's local bubitation) than a large and elegant dwelling, freshly painted and adorned with its bright green chatters, with yards around it filled with dock, thistles, or any of the &cc, femily, with here and there a slough, broken cart, er brush heap, all which go to make up a rariety; with the hot sun scalding with his piercing rays the newly burnished eastle, or the relentless atorms brenthing out their fury in mockery of the improvements which enterprice has begun on the premises, without a single shade to give freshness to the scenery, or a single cluster of ebrubbery to impart leveliness to the spot, it must be the idea of the deluded spirit of a man who conceives the objects of tasto all gratified, and matters of utility all arranged, and motives of interest all fulfilled, when he brings his improvements to the state of things which we have described. Think of it Zelia, there is something wrong, morally and physically zerong, where such a state of premises is found as we have described, and were we a lady, we should reverse the saying of Solomon and conclude that we should live-any where else, "than in a wide house" with such a being as we should naturally conclude occapied the one shove noted. Yet we would not influence nor hinder any one from forming a leagus which should give them internal possession of such premises, but on the contrary encourage it, on a principle of general benevolence, for they might do much good by such a sacrifice.

The front verd (and as much more as they wish) should always be placed at the disposal of the females of the household for flowers and flowering shrubs. In the culture of these, grass and weeds should be as thoroughly extricated as for a crop of corn. Then they will grow luxuriantly with little care heyond that of prinning, which every one will attend to in order to bring them into the beautiful shapes which their fancy may direct. Shrubs, to succeed well, should be re moved with care, and may be done either in fall or Saloon, Zelia, and go on deck and try to make of spring. Tress should be placed on the outer margin of shrubberies for their beauty and protection.

Native Shrain and Plants.

It brings no very cheering reflection upon the taste of the American people, that every thing must be transatiantic in its origin, in order to secure their attachment. But it is too true with regard to many things. Our bate must be of the latest London or Paris fashion. Our boots must not only, in too many instances be of European fabric, but must be of Messra. Juquee & Co's. Inst style. Our boots-shoes at least, must be Victoria: and even our American plants, like the aboriginese of the country-like the republican simplicity of our forefathers, must be crowded out of the way to make room for those of foreign origin. And this is directly in the face of the wisdom and good taste of our eastern brethren. In all Europe, travellers proclaim the beauty of American forests. Their naturelists have traversed them in their length Plants, one of the richest collections in the world, ob-

do not trace to this the cause of their attachment to our plants, some of which bear the names of their most distinguished men. But it is their peculiar and unrivalled beauty which attracts their notice and se cures to them a right of roil in the demnins of king and omperors. And it argues well for the veterans o taste and accorde in those countries that it is so, fo there is certainly no portion of the earth that can exhibit a greater variety or more heautiful wegetable productions than oure. What is a fitter emblem o meckness and simplicity than our Arbutus, trailing a humble quictude on the ground, and opening its chast petals while yet the earth is held in the durance frosts, and the gnows are still unpassed? What fitte emblem of purity than is to be found in the short live Sanguinaria Canadensia, which comes and goes while yet the fregance piping the early matine of nature lil erated from the bondage of winter? Go into the woods and along the glens at any time while th early season is yet fresh in youth, and what more pituresque beauties can present themselves than thou there exhibited? Take summer, the noon of the se sons, and look at the Azeliae, the Kalmins, the Rh dodendrons and a thousand other families, which though not of royal blood, have been introduced royal favor, and where can nature's storehouse furnis objects to charm the eye apperior to these? Yet w pass them almost unbeeded, or perhaps what is wore we mutilate them in this season of their beauty an glory, to furnish fading memorials of their levelines for a brief day for our parlors, while the weeping ster from which we robbed our trophies, must in solitue sustain its fair remaining blossoms "to blush unseen,

And waste their sweetness on the desert air." When if the root and branch were removed to or dwellings and given a kind location there, they won! charm in some varied form at all sessons, and in th bright time of flowers, regule our eyes and perfum the atmosphere through the period of their floral ex istence, without the necessity of a daily renewal : the vase or recourse to artificial means. Let it me be inferred that we would exclude foreign plants from our grounds, far from it. We admire and would on tivate them by all means, but lat us not stumble ove those all around us, to catch greedily at the "fa fetched and dear bought." But we must leave th W.B. peace with Capt. C.

NOTICES.

Address before the New York State Agricultural Sc ciety in Albany, 19th Jan, 1842. By J. B. Not

Esq., President of the Society.

This sensible address has at last made its appea ance. Immediately on its delivery we gave from or notes a sketch of it. In comparing our sketch wit the address, we are happy in finding that we had gien in the main a just account of its views and sent ments, and in but one instance, and that of triflin moment, had we misrepresented it. The manne was of course far inferior to that flowing and classic style in which the author presents himself. W should have been happy to republish the whole of drass, but as it will be circulated throughout th state, as we have given an extended sketch of it, ar os our columns are crowded we must forego any othpleasure than that of presenting the subjeined extrae

"Young men, after having finished their ocndemi course, are embarrassed in the choice of their futur professions, for they find the professions crowded t excess; eo crowded that men of fair talents and re speciable industry are rewarded only by a medicer success. Hence it is that we unfortunately find many too many otherwise respectable men of all politics creeds, who are ready at eny fortunate crisis to abar the mowers into the farm year when the season of are decorated with trees and surfus of our republican don their professions and seek instead, the rewards of flowering is pest, instead of allowing them to remain origin. Though the forests of our country contain upon the ground over winter, to be burnt in the spring. If ar greater varieties than can be found in theirs, they prompts them, regardless of the cost, to climb the dd eminence which has always been found, it is said, o "narrow for frieadship, and too slippery for safe," for this is a legitimate, though aliss, a dazzling bject of pursuit. But I speak of those who make slitical pursuit a mere question of profit and loss such men we can point out a field of exertion, here at least "for a portion of their life, their powar would be employed in a manner less recolting to maccince; and with results quite as useful to their

ountry and to the world." It is important therefore to do away the erroncous npression that there is no other pursuit worthy the tiention of an educated man, than the so called learn d professions, and that a liberal education is thrown way if bestowed upon a farmer. If the farmer must f necessity be a mere rusue, and any one who ennges in the pursuit, will allow himself to sink to this aglorious level, then will a very humble education fit im for his untoward destiny. But it a farmer is deim for his untoward destiny. But if a farmer is de-irous of teking rank with the Gaylords and the Phinicys, of our land, and with men of kindred spirit in ther lands, then will his calling give abundant occu stion to his talents, however gifted, and his attain-nents, however profound: This is not all; a farmer may be even a man of refined taste and exquisite genius. A good farm should not be characterized done by its trim fence and its straight furrows, but it hould also be an object of beauty. " Man made the hand dee be an object of beauty. "Man made the own, God made the farm;" and it ought to bear the mpress of his beautiful workmanship. There are arms too, where, by the skillul disposition of wood and of shrubbery, there is, as it were, grouped into a scene of surpassing loveliness, the beeiling cliff, the smiling mendow, and the meandering river. And shall the claims to taste and genius be denied to a farmer who can create such a score, and be awarded solely to him who can transfer it to the living canrass? It may be said that these higher accomplishments, constitute no part of practical farming, because it contributes nothing directly to a furmer's prosperi-ty. "To such men," as Cheever says, "God himry. "To auch men," as Cheever says, "God himself, as the creator of the universe, cannot appear as an architect of practical wisdom, for he has covered the earth with objects, the sky and the clouds with titts, whose surpassing beauty is their only utility. This beauty is eminently useful, because man who beholds it is a moral," as well as a thrifty being-"because it awakens the soul to moral contemplations.

with him a perpetual conversation of the glory and wisdom and gnodness of God."

"To some, the meanest flower that blows can give Thoughts that do often lie too deep for tears."

excites the imagination, softens the sensibilities of the heart; because it tells him of his mortality and his

immortality, giving him symbols of both, and holding

If I am asked whether the pursuits of literature are incompatible with the practice of husbandry, I angwer that they are at all events incompatible with the practice of a profession. Whoever would woo the muses must bid farewell to professional eninence. But there are farmers, thrifty laborious farmers, men ex-posed to the summer's heat and the winter's cold, who are well known in the walks of literature. Why should it be otherwise? There is not an operation of practical husbandry, however humble, that is not immertalized in Thomson's, or Gray's, or Cowper's song. To such men, how meladious was the reaper's song, how graceful the mower's movements, how picturesque the loaded train, groaning beneath the burden of the gathered harvests? Much more then should rural pursuits awaken the high souled eloquence of those who are habita lly engaged in them. There was a time, it was olden time 'tis true, but there was a time when pastoral life was deemed especially favorable to sublime conceptions; and one shepherd at any rate has raised through many an age the loftiest emo-tions, who exclaimed as he stood amid his flocks and raised his contemplative eye to yonder firmsment :-"When I consider thy Heavens, the work of thy fingers, the moon and the stars which thou has ordained, what is man that thou art mindful of him, and the son of man that thou visitest him ?"

Agriculture then, is not inimical to the pursuits of acience and literature; but still it is too often deemed a degrading employment. He talks of beeves, said Dr. Johnson sneeringly, of one of hie most intimate friends, and yet the ill tempered and ungenerous satin the consive sense, not so much as the imparting of knowline is utterly at variance with even his utilitarian notions. In actting the relative renks of the various callings of life, it should be remembered that we are governed in our views by old and inveterate prejudices. The acade by which they are graduated, was formed in the ages of ignorance, when men of the learned professions were monks; men of ambition, solliers; and hasbandmen, serfs. But the times are altered; the pathway to fame no longer leads exclusively to fickle with the power, as

covered with cornage and slaughter, and may yet lead to fields smiling with the gifts of Ceres and Po-

We, therefore, who are ardently attached to our favorite pursuit, who are aware of its privileges and acquainted with its delights, should do all in our power to disabuse the public mind of its mistaken prejudices, and to raise that the their distribution to the level of the liberal professions, so that he may have no fear of losing caste, who exchanges the merchant's commungroom and lawyer's desk, for the pursuits of agriculture.

In luxury and case, in pour and pride,
Think these last themes onworthy of your cars.
Such seems as these the rural Mars bung.
To wide imperial Rome, in the full height
Of elequence and tasts, by Greece refined.
In ancient times the secred plow employed
The kings and awful fathers of manking.
And some, with whom compared your insect tibes
Are but the heighs of a summer's day.
Dave held the scale of empire, ruled the storm
Of might wur; then with unwearled hand
Disdaining little delicaties, seized.
The plow and greatly independent fixed.

And o'er your hills and long withfrawing vales
Let Antunn spread his treasures to the sun,
Lawriant and unhounded. As the sea
Fart through his agure turboent domain,
Your empire owns, and from a thousand shores
Waits all the poun of his into your ports;
So will superior boon may your rich soil
Ever every land, he unked nations double,
And be the exhaustless grammy of a worth."

Address delirered before the Essex Agricultural Society in Massachusetts, Sept. 30th, 1841. By Alonzo Gray.

This address is very creditable to the author. Its main object is to show the advantages and importance of science to agriculture; its connection with the improvement of the art, with its productiveness and with the dignity and respectability of the agricultural profession. In the main we agree in all the scutiments expressed. If the farmers would elevate their art, they must elevate themselves.

Mr. Gray speaks of an establishment in connexion with the theological and literary institutions at Andover, designed to furnish instruction in gardening and agriculture. These institutions have been endowed with a most extraordinary liberality for the specific purposes of their establishment, and such an addition to their other means of improvement will doubtless prove of eminent utility.

There are particular branches of study directly con cerned in agricultural improvement. These should of course be objects of pursuit; and to practise farming with success, a man should become familiar with all its operations; and if not himself capable of performing them, yet capable of determining when they are done and exactly how they should be done. But very much more than this is desirable. The most humane and liberal education will not be lost upon a farmer, unless it should, as is alse! but too often its effect, inflate his mind with toolish pride and self-conccit, and lead him to disdsin labor and its humble accompaniments. In all great improvements in any thing connected with human life, society, or the arts, mind is the propelling power. The cultivation and strengthening of the mind, the creating within it a thirst for universal knowledge and continually stimulating this appetite, is the great instrument of success in any and every valuable art or profession. Education for the farmers, as for every other class in the community, should be regarded in its most comprehensive sense, not so much as the imparting of knowladge, this is but a small part of aducation, but as teaching man the proper use and application of all his intellectual powers, and exciting him to their constant and highest exertions. While, therefore, we rejoice in the establishment of schools designed to teach the practical operations of husbandry, and all the arts and sciences more directly and specifically connected with

is suggested in Mr. Grny's Address, that there should be associated with such institutions the fullest course of instruction in all liberal arts and in general knowledge.

We should be glad to quote liberally from this address, but at the present we must restrict ourselves to a small portion.

"It is one of the most glaring defects in our system of popular instruction, that no provision is made for the study of those branches which are intimately connected with agriculture, and a knowledge of which is necessary in order that the science itself may be understood; we are therefore met with an obstacle which it is not easy to surmount, whenever we attempt to instruct the community into the principles of the art. There is wanting not high on agriculture, but a recipient power in the general mind to selloct the light which actually exists. There is knowledge crough in the world to save it, if it could be brought to lear upon the popular mind; hence what we need is such an elementary knowledge of mineralogy, bottonly, chemistry and natural philosophy, with their application to the arte, that the science of agriculture may be understood, and such a discipline of the popular intellect that this knowledge may be practically applied.

For want of this recipient power, the press, that great engine of popular instruction, is deprived of the greater part of its efficiency. Popular lectures, the efforts, the discoveries of scientific men exert but a fee-libring time. The cost-cining ener of the Legislature, and the indefatigable labors of agricultural societies secreely reach the general mass of larmera. The consequence is that no preparation is considered desirable to become a farmer, as if men were endowed for this employment with an instinct like the bee or between the prefect in itself and could not be improved by education.

While some degree of preparation is deemed necessary to practice the rudest rade, that of a coller or common pedlar, the most difficult and important of all trades may be carried on, it is suppreed, without any preparatory or professional knowledge. What should we think of the wisdom or sense of that community which should encourage all ite physicians, lawyere, ministers, merchants and politicians to engage in the respective professions without any professional knowledge whatever? And yet there is as much propriety for a young man to engage in the professional knowledge, as in that of farming without a knowledge of its fundamental principles. True, he might do more injury to society in the former case, but he would have an equal title to the character of a quack in both; and quackery in faming has many suriking analogica to quackery in medicine, and were it not so common, would meet with similar ridicule and rebuke by all intelligent men.

But how can this recipient power be supplied, and how can this professional knowledge be acquired, unless agriculture be made a subject of study? As our common school system excludes those kindred branches of natural science which are necessary to a professional knowledge of agriculture, the commencement of improvement must be made in our scadenics? and higher seminaries. Our colleges have a different object, their course of study has become too rigidly fixed to be altered, and it is doubtful whether any success could crown the effort if tried. But this is not the case with our academics, and scientific agriculture may be introduced into some of them and taught succertfully to those who are to be the future cultivators of the soil. With an institution liberally endowed. with proper aids, text books, lectures, apparatus, and experiments conducted in the field, the young farmer, after having received a thorough discipline in a preparatory course, may finish his education by obtaining a scientific knowledge of agriculture previous to enter-

ing upon the great business of life. We would not establish institutions for the mere study of agriculture, but would connect it with an extended course of English education. We are no advocates of a superficial course of training. We would

vocates of a superficial course of training. We would,

After the subject has been introduced into a few of our
higher seminates, for the purpose of preparing the teachers
of our common schools to instruct in the various departments
of Natural History, the subject may then be introduced into
them; but until we have teachers qualified for such instructions, we must confine our efforts to higher seminaries,
where those facilities may be furnished which are required
for teaching the first principles of Chomistry and Natural
History. The roat difficulty now is that, nor apparatus,
qualified teachers, to be prepare use in our common schools
for the theoretical and practical parts of agriculture and the
various other arts and trades.

d as suntenance the idea that a competent knowledge or this subject, sufficient to answer the ends designed, can be obtained in a single term, or a single year; nor do we believe that every young man, whose duty it may be to add the soil, is capable of gaining a scientific knowledge of the subject; but we would propose the course to those young men who are to become the lead ar minds in society, (and there are many such in every county, in every town throughout the state,) we would make them scientific farmers, and, scattered as they would be among the farming community, their example and influence would so a give character and permanency to the profession, and bring all under the power of its beneficial effects.

There is not, to my knowledge, a single institution There is not, to my knowledge, a single mentation in the country where agriculture is actually taught in any of its departments. There are institutions where any of its departments. There are institutions where men may be instructed in almost every other art but There should be at least one place where the subject may receive that attention which its impor tance demands; one ray of light to show, if nothing more the darkness which really exists. sible for me to understand the reason why farmers have not ere this established schools* for the study of scientific agriculture. They have given their money to educate ministers, lawyers, physicians, merchante, mechanics, and sailors. They have, as it were, gone out of their appropriate fields, to cultivate those of their neighbors; they have been ready to aid every other profession but their own ; they have sent their sons to learn to be genderach, and to pass well in the world; but have not made provision for teaching them that profession in which they are to spend their life and gain their support.

Attempts have been made in several places to introduce agreenbure as a branch of study, but have generally failed, either because it was a plan to raise up a sinking institution that had no foundation to it, or because the instruction was established for the mere study of agriculture, as if no preparatory course were required, no discipline of mind requisite, to obtain a scientific knowledge of the subject. Efforts are now in progress to introduce the subject into the Teachers' Semmary at Andover : lectures are given upon the subject the present term, and it remains to be seen waether the larning community will sustain the effort, and make it a thorough and permanent means of advancing the art, or whether they will permit it to add unother unsuccessful a tempt to roise the employment to the dignity of a profession, and recene it from merited contempt.

A better day, I trust is dawning upon us. The pubhe mind is awa'ening to the subject. Scientific men are turning their attention to it. The friends of education are maximisly requiring for something to remedy the defects which exist in this respect in our system of popular instruction; and it is now for the furmers themselves to put forth their efforts, and we shall soon have institutions of a high character, where young men way obtain a thorough and practical English ed ucation; where they may study agriculture as a science, and become qualified to take their proper stand among the learned of other professions. If the farmers, mechanics, and merchants willed it, we should soon have seminaries sustaining the same relation to the various departments of business, that our colleges and professional set aids do to the learned professions. It would be cary to quote the opinions of many ex-personeed farmers and men of practical wisdom, in confirmation of the views here suggested. It would be interesting to po. it out examples of the success of similar institutions in other countries. It would be profitable to sketch the plan of such an institution here, but our Leants forbid."

Here, but our Limits Loibel.

**Observe American farmer," says Dr. C. Torkson,
(whose opinion is or itled to special consideration, "who
prices inner form in the door and insolvenee, would evert
himself or the first of the contains more contine of mechanical braders, and Island it could be sufficient on the securities of mechanical braders, and Island it country, state increasing the
agreentural produce of the country, state increasing the
agreentural produce of the country, state in a first account and will again a consail some of rationate queue, the their telliferate considerations. I do not un actually which agricultural commutant wave less as long winto. To force the brade is of a
scientific elineation, now why they have not established colleges or schools for forstration in the principles of U is, the
first and most important of the arts."

† I am now table to state that arrangements have been com-I I am now able to stare that arrangements have been com-pleted for instantance in semilla egriculture, and that in ad-dition anest energy and the Halad, ut in the spring, and off the translation of medicating attended to by a practical off the translation of the principal objects with the facilitation of one of the principal objects with the facilitation of the principal of course at the processes of entitled in the principal of the principal objects with the principal of th

Address before the Cuyi ga County Agricultural Society, October 14th, 1841. By Humphrey Towland, President of the Society.

This is a short, sensible, and pithy address, full of sound sentiments and interesting facts. There is a good deal of point about it, and it deserves a more permanent record than the columns of a newspaper. We can give only some brief extracts.

Value of Produce on the Cris Canal .- The Eric Canal in effect as to the cost of transportation has brought this county (Cayaga) within 30 miles of tide water, and given on accelerating impulse to agricul-

The aggregate value of the articles arriving through all our canals at tide water on the Hudson river in 1840, was \$23,213,573, and there were the same year exported exclusively from Cayuga lake, first entered at Montezuma, 1,780,105 dollars, half of this Bour, and wheat; butter and lard, \$153,000; pork, \$91,000; wool, \$71,000; the balance in lumber and soundry articles. That from Cayuga lake alone is equal to one twelfth of all the exports through all our Camala, from Lake Champlain, Vermont, this State, Obio, Michigan, and the far west.

Three important Rules in Agriculture.—On the details of Agriculture I shall be burel, because volumes won d be required to describe it; nor do I prote so to understand it, although I have given it much thought formany years and have been trained to it from child-hood. It is a living science, susceptible of improvement in every age. It is included in three principal First, that the sail ought to be dry, or in other

words, free from all superfluous molacure. Secondly, that it ought to be kept clean, in other words, tree from nexious weeds. Thurdly, that it ought to be kept rich, or in other words, highly manured.

I am anxious to impress upon the society the import ance of the hostrule. Our Country particularly requires it. Even our hill lands would be much henefited, the declivities and vales ann horated by open ditches to conduct off the entince water, and blind ditches, the water from the soil. This system is oh taining with good farmers, which will abundantly improve our rich soil, and salubrious climate. first of winter performs an important operation by leaving the soil pulverized and spongy, easy access to plants which send out tender toots to gather natration. But if there is early in the erason a supersbundance of water, it settles the soil down an unfavorable compact mass. A considerable portion of each of a few suceeeding years should be appropriated by every farmer for dramage, which will prove an investment worth 20 per cent per annum. Although water is undespensible to very intion, too much of it is as burtful as too little. It is necessary to germination of seed, to the becomposition of vegetable matter in the soil, to the transmission of the food from the soil to the plant, to its circulation. But when water immins in the soil to excess, the vegetable matter remains moduble, in consequence of the absence of heat and air.

The 2d Rule, with regard to noxious weeds, surey to have to acknowledge that the Canada Thistle. St. Johns Wort, (Hypernaum, perforaum,) Red root, Lithospermum Arvense, &c., are myading our helds. Summer follow througholy in dry sensons to H destroy the Canada I nestle, if when it makes the least appearance, or rather previous to its being ex-If it cannot respire during that mine in sumner, it must die, and a remuneration for extra labor in the well prepared ground, will be reaped the next harvest. The fice use of plaster will drive out St. Johns Wort and daisy with renal rotation in Crops.

For the 3d Rule, we have inexhaustible materials in those invaluable innera's, plaster and lime stone. They should be more used; they will increase the quantity of bay and straw, the basis of manures; the sub soil contains line, it would be beneficial to loosen it up. Bods of mail 4 feet thick, nearly pure, shells parcially decayed, without fect of the surface underby 10,000 acres along the Seneca river, which was formerly a part of Cayuga lake, now filled up. marl will be extensively used. A good farmer will turn every attention towards enriching the soil.

Hence it would require at least three years. (four would be better,) of che e study. It should be furnished with a farmiand the operations of hor-lenture and agriculture should be tau—ht pract cally to some extent. At least, the pupils should will be no mixe's fruit trees and fruits of course at the processes of cultivating tuit and veg tables may be studied practically by those who may wish to personate the effort.

Such an institution, or college, should not be devoted who the study and practice of agriculture, but should also 'e formusic law'in extensive philosophical apparatus to the study and practice of agriculture, but should not be equivalent in all the deparaments of English hecture, but should not be equivalent in all the deparaments of English hecture, added, tenchers of the highest qualifications in their reto our colleges and superior to them in the natural science.

As to the meterial for fencing, we are not as provided. Locust trees should be planted along no lend from our enclosures. They are orname affording a cooling shade. The giass is sweet to the bracia, the number enduring, and although the sect has severely attacked it for the last five yes observe that most of the trees are gaining the a dency. They are not injured after they attain inches domester. And we may remember the that hurtful insects only prevail a very few years They have their day, and desappear for a time. interval of years, or for ever. The borer has since disappeared in the southern part of this star he is no longer there injurious to the locust,

Wheat is our steple and most important pro It is found on analyzing to contain more sacch matter, than southern wheat. We may expe heavy crop, if we repeatedly plough deep, and nure with clover, and plaster, or other material; as early as the first of September, or before, wi bushe's per acre; a less quantity of seed would a the graund with plants, but offsets or suckers ar as vigorous as the percut stock, which will have a ger head. Seeds of all kinds should be chilfull lected

Agriculture as a means of Wealth .- A wo my young friends. Do not crowd into the profess and trade, -they are overdone. It has been su ed by those who have long observed the cour things, that to take 40 lads, divide them, all thing sidered into two equal companies, place hall of in the professions and merchandise, the other ha agricultural pursuits; the result will be alter a of years, the latter will have the greatest ager wealth, diffused among the whole; while perhi fourth of the former may make large acquisitions families of the other lirce fourths may be four rather straitened circumstances. It is the opinic those who have long held situations favorable to observations, as to enable them to come to eo conclusions on this subject, that only one in fo the trading classes, perhaps from causes beyond control, escape insolvency, er are successful in professions. Is it not strange that young men willing to enter into schemes where only one in succeeds, while the faint is like the inexhaus cruise of oil? We are directed to draw from the stantly productive earth, a Bank, which may be di upon at all times, and will not fail, while seed and buttest remains. It is the main spring that Therefore appl the whole machinery in metion, your energies with increasing vigilance to rural The brief period of Youth is invaluable. each day into the account. It is barely sufficie lay the superstructure of literary education, and its of mannal industry. The edifice must be to by the assiduous attention of after years.

Address before the Caynga Caunty Agricultural ciefy, October 11th, 1841. By David Wright

This address is creditable to its author for its s in and judicious remarks. We subjoin some iev x tructs. It would be greatly for the advantage o Society if the address of Mr. Hawland, together it this address of Mr. Wright and that of David The a in February last, with their list of officers and in it bers, and the reports of their different commit is were given to the members of the Society and to be public in a pamphlet form, that they might alway be accessible and form the commencement of an an a publication of the same character.

Education and Knowledge important to the remer.—There is certainly no occupation, profess no or calling, wherein talent, industry, intelligence of source are more acceded, or more amply neward. in no other department can it more truly be said, a "knowledge is power." There is no science ut may be made subservient to the interests of the rmer, and amongst them may now be found son of our most intelligent and best citizens; men of it greatest attainments in all the various departmen of litermure, science and the aits. And in order to iffine the knowledge of the few amongst the mas to render any improvement made by the individual n nbers of any class acceptable to the whole of that class in fine to enable all to profit by the enterprise ancare telligence of each, some method must be necessy, and although agricultural journals, if well conduct may and and ussist very much, yet it is by ment of organized and efficient agricultural Societies the new greatest publicity can be given to the improvements

new inventions which are continually being made gst us. We can by means of our Fairs sec, each inself, and seeing, be coubled to judge of the efof what may be offered.

atistics of Cayuga County .- And if the freemen aynga do not march in the van of the agricultuost, the fault must be theirs. Asture has been no mother to them; with a soil of great feithlity. well adapted to the production of all the principal ultural products of this latitude, we have in addimexhaustible beds of gypsum, quarties of time s, and swamps of mail, with also a fair promise of pundance of salt-all then that is required, is the to do, the energy to perform.

appears from the census taken in 1810, there then about cleven thousand men in this county

ized in agriculture, while the whole number cu-ed in all other business was only about four thou-The greater portion of this eleven thousand men who over the land they occupy, the hone and w of the Country, the men who pay our taxes; port our schools, who if need be, will fight our es-who have a home and a hearth stone to proand defend, as a class the most honest, the most ral, the most industrious, the most independent and most virtuous, and certainly such men need only e convinced that their hest interests may and will promoted by this Society, to render them at once ling and auxious to join our ranks. Look for a ment upon the products of this County for the #1840. As appears from the census of that your, re were raised in the county that year more than six adred thousand bushels of wheat, more than eighty usand bushels of barley, more than four bundred meand bushels of osts, more than forty thousand shels of buckwheat, near six hundred thousand shels of corn, near seven hundred thousand bushels potatoes, more than three hundred thousand pounds wool, more than seventy thousand tons of hay. ore than two hundred thousand pounds of maple gar were made the same year, and the products of dairy amounted to near one hundred and ninety ausund dollars. The aggregate value of all the ove, the produce of a single year, at present prices, ould exceed two millions of dollars, the agricultu-I products of about eleven thousand men, hom doubtless were mere idlers upon the soil.

Again, as appears from the same Census, there were vined by citizens of the County, on the first day of muary of that year, more than thirteen thousand orses, near fitty thousand neat cattle, near two buned thousand sheep, and more than sixty thousand

Iddress delivered before the Medina County (Ohio) Agricultural Society, October 7th, 1841. By Col. Abraham Morton.

This is a glowing and impassioned address in favor f agriculture; inculesting the value and dignity of abor, and urging with great cornestness the cause of gricultural improvement. We give the tittle as it ppears, and though it is not exactly turning a spear nto a pruning book, it exhibits a transformation not very unlike, in changing a military officer into a good armer.

With all the gallantry of a military man, he speaks thus of the influence of woman in every good cause.

"While the unlettered nations of the earth have sither deified woman as a goddess or debased her as a slave, we are delighted to accept her as the equal and honored companion of our homes, and the pride and ornament of our assemblies. At her feet do we learn lessons of mental refinement and moral sensibility. This is no ideal compliment of mine, or vain picture drawn to foster her pride and feed her vanity, but the sincere conviction of avery mind susceptible of truth. When the tide of women's influence is turned to upbuilding of our societies, of whatever name, we ask no surer token of success. With it our highest anticipations are realized; without it our sturdiest efforts are paralyzed. Whatever be her enterprise, if successful she is not so clated as to miss her object; if disappointed, the does not give up the pursuit; and if the last prospect of success vanish away, she will not despair, but sits " smiling at grief." I care not how great, bow difficult and disconraging the enterprise, she has courage and perseverance adequate to its accomplishment."

one can possibly suppose after this that the Colonel can be a bachelor.

Address Selivered before the Agricultural Society of Crange County, November 17th, 1841. By John Caldwell, Esq., President.

This is a sensible address; and we are glad that the farmers of Change county have among them so enlightened and zenious a friend of the good cause of Agricultural Improvement. We shall give two extracts from the address.

The value of an industrious profession .- Agricultural purents are peculiarly congenial to the people of this country, and to our republican institutions, they are the foundation of our prosperty and the main link in that chain of connection which binds us together as a nation, and contributes to our wealth, our strength, and our independence. It is, therefore, gratifying to observe the lively interest every where taking in the cultivation of the earth. It was grossly neglected a lew years ago, when speculation in building lots on the mountain tops, or cities in the moun, seemed to verrin the world with madness; the dire resulta of such infatuation has curred the evils, and rationality is again restored, though at heavy sacrifices to the bewildered victim of cupidity. Manufactures, Commerce, and the mechanic arts, owe, as to an indulgent, fostering mother, their protection in infancy, and their success in the after days of their progress, to the never fathog aid of successful agriculture. Is it not, therefore lamentable to see so many of our vigorous youth, withdraw themselves from its ennobling pursuits, to waste their sweetness, not as the Poet says-"on the desert air," but behind the counters of petry and offerminate traffic? Thus, too, by filling stations peculiarly suited to the softer sex, depriving thousands of unprotected females of appropriate employment, and compelling them to earn a scanty subsistence in such other ways as remain open to them, by incessant, but ill-required labor; often at the expense of health and constitution, worn down sprits and broken hearts. This is no exaggerated representation; let any of you visit the modes of honest poverty in our cities, and you will find it more than realized. One of the ablest periodical writers of Great Britain, speaking of the ambition in that country for professional life, and the rush into what are called the learned professions of law, physic, and divinity, points to some of the consequences in language which is no lees applicable here. But thousands, snys be, "have died of broken hearts in these pursuits, -thousands who would have been happy behind the plough, or prosperous in mannfacturing or mechanical pursuits; -thousands in the desperate struggle of the thankless professions, look upon the simplicity of a life of manual labor with perpetual envy, and thousands, by a worse fate still, are driven to necessities which degrade the principles of honor within them, accustom them to humiliating modes of obtaining subsistence, and make out by administering to the vices of others, the levelshood which is refused to their legitimate excitions. There is however, in this our beloved country, a general feel ing, which pervades the entire mass. An idle man, however wealthy, is looked on with contempt, and can never enjoy the confidence or respect of his fellowcitizens.

Habits of exact observation encouraged .- While I congratulate you on the vast amount of useful matter scattered over the land in these periodicals, I object to the unnecessary parade of scientific terms, frequently unintelligible to plain men like myself, which there i reason to fear deters nany from looking at them at all, A woman may bake a good batch of bread in total ignorance of the theory of fermentation, and a farmer may raise a good crop, and know little of the affini ties of soil and manures. It is well-it is praiseworthy for those who have leisure, talent, and inclination to pursue such investigations, whilst the practical man applies them to his every day pursuits. Indeed, the whole process of cultivation may be considered as a well arranged series of experiments, and every intel ligent farmer an experimental philosopher, the soil his subject matter, the elements his agent, and his laboratory bounded only by the wide ennopy of heaventhere he follows up causes to their effects; there he traces back effects to their causes, and there too, in the midst of his labors; he looks from nature up to nature's God. But allow me, gentlemen to suggest that, as in all other arts and sciences, so also in agriculture, the various operations as they occur in the successive stages of the process, ought to be carefully and minutely noted, and for this purpose; it is the 10 to 12 dollars per ton.

This is not more theteric, but sober truth; and no practice of some intelligent farmers, to keep a farm book, in which every lot is designated by number, or otherwise, and the treatment to which each is subjectd in each year regularly recorded, thereby laying the basis for just conclusions, from well camblished premises.

Leaves for Manuic.

An enquiry comes up in the second number of the current volume of the Farmer concerning the lenves in "hard wood land" being used as a manure, und the success attending. In answer to which we say, that if the land produces only hardwood, they furnish the principal manure for the timber when growing, and for other purposes when the wood is taken off. The growth of such timber is usually of a profitable and sometimes of a rapid character. The land where such timber is found, is of various but generally productive character, and retains its fertility well.

Taken from the forest and placed in the sty or harnvard, where they can be subject to the operations of swine and other stock, and it forms one of the most valuable menures, both for present use and future durability, that can be employed. It answers well for all kinds of crops. In the crude or unmanufactured state, in which it is taken from the woods, the manure is perhaps as good as any for potatoes in the hill, for fruit and forest trees, current bushes, &c.

For the New Genesee Farmer.

Harrowing Potatoes.

FRIEND COLMAN-It is not my object to argue the profitableness of a crop of potstocs, or how the greatest quantity can be raised from an sere, but to suggest an improvement in the cultivation of them. My practier has been, for two or three years, with a light dreg to drag them over thoroughly, just before they come up. My objects in this are to pulverise the ground well, which it will do without injuring the potatoes, if they are planted at a proper depth, and destroy the weeds that get up generally very much before hoeing time. By these means the crop is kept much cleaner with less work than any other way that I am aware of ESEK WILBUR.

Macedon, 4th mo. 23d, 1842.

We have seen this method practised with much advantage, and know that it greatly facilitates the cultivation of the crop.-Ed.

TO THE POINT .- When the Mayor and Common Council of Albany, at the opening of the Western Rail Road, visited Boston and were received by the municipal authorities in due form, the Mayer said for himself and associates that they would be glad to see the city; he was a business man, and not used to making speeches.

A captain of a merchantman whose cargo was consigned to Sam'l Williams, the eminent American merchant in London, not finding such a market as he desired wrote a letter of three quarto pages for advice as to what he should do, proposing this and proposing that course. Mr. Williams' reply, very much to the chagrin of this long winded gentleman, was, "Sir, take salt and go home."

Farmers! No long talks in the morning. "Take time by the forelock.

Cure for Wounds, Galls, and Bruises.

Take one quarter pound of Salipeire, half a pint of Vinegar, half a pint of Spirits Turpentine; put them together into a bottle, and shake up before using. Apply it to the wound with a teather, three times a day.

The above was handed us by a highly intelligent friend, who nesures us that it will be found a most officient cure for sores on horses.

The Season now, 30th May, has seldom promised The wheat looks finely, and grass abundant. The prices of produce are such as to satisfy reasonable men; wheat in Rochester, \$1,25 per bushel, and hay

For the New Genesee Farmer. Sowing Corn for Fodders

MR. Colman-In the Farmer for March, your correspondent Ledyard asks information on the subject of sowing corn, bread cast, for winter fodder. I was, at first surprised at the enquiry, but on reflection, concluded he must have been a stranger to your paper, probably just then commencing an acquaintance with it. I ask leave, therefore, to refer him to your number for July, 1841, page 109. He will there find an article on the subject, that will, I think, in a measure satisfy his enquiries. I have been for twenty years accustomed to this culture, and have there given the result of my experience. I do not feel as if I could say too much in its favor. The product per sere, on a rich soil, and in a favorable season, will be very great. I have never had occasion to ascertain with accuracy the amount. But have considered or estimated the amount on different fields and in different seasons, to vary from five to seven tons, or more per acre. I have earried well a very large stock, rising 1000 sheep, and many cettle, far into January, with very little hay.

I would by no means suffer the corn to stand to let the cars ripen before harvesting. It should be cut when most juicy, when the juice is richest and sweetest. This will be, I suppose, at the time when the kernel has become nearly or quite full of milk. When sown 2 1-2 bushels of seed per acre, the quantity which I recommend, and from which I would not vary, it will stand so thick and the stalks be so slender, that but few ears will set. Cut up at the time I propose, it will be so extremely succulent, that it will need to stand in small stouts to cure, during the dry and hot weather; and should be put into stacks, as recommended in the saticle refered to above, just before the fall rains commence.

The idea suggested in the Farmer for March, page 31, "that weeds will check its growth, if the land is rich, and fill the ground with seeds," I cannot think correct. It is entirely at variance with my experience. The ground is so deeply and perfectly shaded, that I have found nothing could live or grow among it, save the Canada thistle; and this would shoot up a slender, pale, weak, and sickly stalk, unable to produce or sustain a blossom.

I have been pleased, after taking off the corn, with the condition of the ground for cross-ploughing and sowing with wheat. I recommend to sow corn early, that it may be harvested early, and thus have the full benefit of the dry and hot weather, for the process of curing the stalk. If cut late, it will be more difficult so to cure it as to secure its safety. I once lost a large quantity, supposed well cured, by stowing it away in a large and solid mow. Of course, I prefer stasking it, as recommended in the article refered to above, around a pole, the length of a sheaf only from the pole, so that the butts shall all be exposed to the air. A FARMER. April, 1812.

Mildew on Gooseberries. For the New Genesce Farmer.

MR. COLMAN-One of your subscribers inquires how he shall prevent gooseberries from monlding. Some few years since, while passing through the Shaker settlement in Hancock, Mass., we atopped (its a gift of ours) to chat awhile with one of the brethren. Among other topics our conversation fell upon goeseberries. He said they had a very fine variety, but in consequence of their mildewing, he was going to pull them up and throw them into the street; they were useless to them. We made a truce with him for the said rejected bushes, brought them home, and put them out as we had been want to put out gooseberry bushes in former tirue. It was too late in the season to expect any good from them that year, for their blighted fruit had just fallen premature-

us a harvest of limit as large and larger than robin's eggs, as clear as a quill, and as delicious as a plum or peach if you please. And the said bushes continue in good bearing ever since without any change of local habitation or name. My management with them bas been to keep the earth light and rich around the roots. If moss collected on the stalk scrape it off, and cut the old stalk down once in about three years. The bushes must be kept well pruned, which is not very difficult, if you have a choice fruit, and set them where the air will circulate freely. A cold exposure is suited to their tastes, habits and constitution.

A very dry soil we think unfavorable to their growth, ss we have, in several instances, known of their being attacked by mildew in condy coils, also in those where recks lay but little distance from the surface. The best we ever saw, grew in a moist loam, which W. B. was kept enriched by decayed chips.

Mount Osceola, 1842.



For the New Genesce Farmer. Summer Cocking Apparatus.

I furnish a description of such an apparatus; which I have found cheap in construction, saving of fuel, and very comfortable indeed for the woman who used it. Though perhaps not adopted, in utmost strictness, to an agricultural journal, cobblers and corpenters being ometimes compelled to do their own cooking, still I tlatter myself it will not be excluded, while the columns of the Farmer are open to long funnyisms about Connecticut River letters, old bachelors' griefs, and young ladies names.

The apparatus in question, consists of an iron vessel A A (represented in section,) having a large bole at the bottom covered with a grate P, firmly set in solid brick-work. This is for containing the fire. Directly beneath it is the ash-pit C, enclosed on all sides, except a small hole in front, 2 by 4 inches, for extracting the schee, and for the admission of air to the tire above. To this hole is accurately fitted by grinding a piece of brick, so that the draught may be entirely cut off, when the fire is not to burn rapidly. D is the boiler, made, as is perceived, in the shape of a frustum of a cone inverted; and when set in, leaves an average space of one or two inches for the upward passage of the smoke. On opposite sides of the iron vessel A A containing the fire, and the thickness of one brick from the top, are two square holes for the borizontal passage of the smoke to the chimney. The position of one of these holes, is represented by the square dotted figure. A chimney about 5 inches equare and four feet high, will afford draught enough, and may then pass into a common brick chimney; or 4 feet of stove pipe will answer the same end. Several boilers of this kind may be connected in one mass of brick work, and then form what are termed in some of our cities kitchen ranges, where they are not very uncommon.

The fuel used may be small blocks of wood, chips, or charcoal. If charcoal is used, less space should be allowed between the grate and the boiler, than when chips are burned. From three to six inches is sufficient. The quantity consumed is exceedingly small, The stratum of hot air round the bottom and sides of the boiler, is so thin, that litt'e heat comparatively escapes, acting, as it does, on a principle similar to that of Mott's Agricultural Furnace. A bushel and-half

cook all the foed of a femily of four adult personafe two days. By shutting the draught, combustion cor tinues for a long time. Three blecks of wood, th size of common half bricks boiled the dinner pot wit 7 quarts of water, at 11 o'clock, after which th draught was closed, and they continued to burn, keer ing the water at beiling heat until 5 o'cleck fe lowing. A pint of charcoal was sufficient to boil 1 quarts of cold water.

The fire communicates scarcely any perceptibl heat to the room, hence it is particularly adapted for summer use. Every woman (I don't mean ever lady, whose fingers never bent for household duties, every woman knows that ironing clothes, and bakin griddle-cakes, is desperstely hot work in summer but not so with this apparatus. With it, she may iro as comfortably as she rakes her flower bed; and bak cakes, sitting in her casy chair, as easily and coolly t she writes a letter. I have seen it done.

The vessel A A would be best if made of cast iron Mine was made of thick sheet-iren, and though th lower part burned through in a few months, yet th bricks, having been made to fit its outside, still kej the proper shape. The upper rim of this vessel, an the shoulder of the boiler, should fit accurately Cooking-stove boilers may be used, but being shallobelow the shoulder, are not so economical of fuel.

The cost of a single boiler apparatus was as for

1:	
Sheet iron vessel A A	\$0,85
Tin boiler D	1,00
Grate	
Brick and mertar	
Mason work	
Iron strap round the top layer of be	
to keep them firmly together	25
	#h= 0.0

\$5,00

When the hoiler is of moderate size, fuel is put i at the top, by removing it; but when very large, small door is fitted in front to shut very closely. valve shutting the fine above the fire would be a ver good thing, and the air being thus excluded from abov as well as from below the fire would keep as well t when covered with ashes.

Western New York, 1-49.

Value of an Agricultural Paper.

Extract from a private letter from one, whose intell gence and experience gives him a right to specwith authority, in Ontario county, and dated 40 March, 1842.

"I want the farmers to cast away their prejudiagainst reading an agricultural paper. I think the are afraid of being caught in reading something, which perchance may have been written by some one, wi does not belong to their calling, in whose views the might coincide. They are not compelled to practi any information communicated, which does not con mend itself to their common sense and judgment. cannot be that the charge of fifty cents prevents the taking an agricultural paper which usually contains i a single number information respecting some subject worth more than the entire cost of the paper for whole year's publication. But light is gleaming throug the mist of ignorance and prejudice. The farmers a waking up, and that over-weening confidence in one own experience, possessed by many, is giving wa Many are willing to read an agricultural paper, ar are not ashamed to confess that they find it useful ar instructive to them."

We cannot help considering this advice as censib and sound; and therefore we recommend to thou who need it, to take it. As Quacks often say of the medicine, "it won't hart you if it does you no good Ignorance and prejudice are extremely intractable di ly to the earth. The next sease, however, brought | basket, filled with blocks of wood, were enough to | eases to contend with. Advancing education and the

adual spread of knowledge, will, by slow and imperptible degrees accomplish that which cannot be ached by any sudden movement. That which is ined by the gradual diffusion of light and knowlge, now since the art of printing has been discovered, sure to be retained; and "these revolutions do not backward." Men after they once become accusmed to read a well conducted agricultural paper are lite sure to keep on; and from being an indulgence becomes a necessity, like a dog whose teeth has once en fleshed in the blood of a sheep, can never be ared of the appetite, but will be sure afterwards to be and among the flock. We wish we might thus sarpen the appetite of our readers. If an arden' dere and much peins-taking will make our paper sercoable and attractive to them, we shall confidently deulate upon success.--ED.

PLAN OF A BARN.

MR. EDITOR-Not the least among the many adnantages to be derived from an agricultural paper to ie farming community, is that it may be a medium f information adapted to save time and money, and comote economy and convenience in giving plans of aildings. Such have been given from time to time your valuable paper; and without larther preface, submit the following plan of a building, which I ave found from experience, to be cheap and conveient, and adapted to save much labor every year. 'he whole is a building 36 ft. by 75, with a basement.

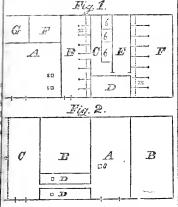


Fig. 1 .- Plan of Basement.

A. Carriags Room, with spouts s s from granary hove.

B. Stable for horses.

C. Meal and Grain room, with manger between hat and stable. D. Cellar, which perhaps some would have larger.

E. Place for sheep to eat.

F. Cow sheds. G. Calf shed.

m. m. Mangers for horses, cows and sheep, communicating with the upper floor,

s. s. Sponts communicating with granery.

b. b. b. Bins for grain and meal. Stairs from stable to upper floor, between B. & C.

FIG. II. - UPPER FLOOR.

A. The main floor, s. spout to bins below.

B. B. Bays. Floor with scaffold overhead, c. corn crib.

D. D. Granery with a passage through, and spouts leading to carriage room below.

It was wisely and justly remarked by Mr. Peters, on page 25, vol. 2, of your paper, that there should be a place for your horses and carriages, harness and grain. and hay, all under one roof if possible, and those who have it differently can hardly know how much time and labor are lost.

Here we have the same as a building 72 ft. by 75, they had done. - Ed.

or as the following buildings, which are necessary for every farmer :

A carriage house 21 by 30 ft., and a horse barn 22 by 36 ft., which, built in the ordinary way, would #300 cost at least

Sheds for cows, calves and sheep, 200 The same or more than two bains of the com-

500 mon size, 30 and 40.

\$1000 Total

The cost of this an nearly as I can estimate it, is about \$500, covered with rough heards, being a sav. ing of \$500 over the common plan, which is worthy of consideration in these times

But where, says one, is the saving of labor? Besides the saving of labor and time in doing my 'chores,' which is considerable, I save in getting out and stack ing the straw when threshing, at least two hands per day, besides a great deal of very hard labor in foading grain for market, and in conveying the oats and meal to the bins back of the stable through the spout in the middle floor

Another item ; I generally thresh my grain early in the fall and stack and mow the straw, and this leaves the middle bay for the corn which I draw in when dry and it may be husked in any weather and put in the crib, thus not only saving time but much of the fodder; and the corn can be threehed (as it should be, and ground) ready for the swine. P PARKS.

Yours truly. Victor, N. Y., 1842,

Remarks .- We feel obliged to Mr. Parks for the above communication. He speaks of it as his first attempt. We hope it will not be his last, and that he will let us hear from him as often as his convenience admits of his writing.

We look upon the arrangement and construction of his building as convenient, and combining much in a small space. We think that thirteen feet do not give width enough for a horse stable; it should not be less than fifteen: there will then be room enough to hang up their barnoes and to pass in safety behind them. We consider seven feet for a sheep house as quite too narrow, though something must depend in regard to all these matters, upon the size of the farm and the amount of stock to be kept. We are much too strongly inclined to give too little room to our animals; and one would suppose from the construction of a large proportion of the barns built fifty years ago, that men were not to be found at that time over five feet and a half in height. We think the cellar in the plan is not half large enough, because every farmer who keeps sheep or neat stock, should always have an abundance of succulent food upon which to feed them, for the storing of which he requires a good

It is difficult from merely looking at a plan upon paper to pronounce with confidence upon its advantages or inconveniences. But we shall be happy to give a variety of plans, such as have been tried, or such as may auggest themselves to reflecting minds, who are endowed with a good constructiveness. We have different wants and very different notions, and very different locations in which to place our buildings, and very different uses to which to spply them. But by presenting a variety of plans and giving the suggestions of different minds, any one disposed to build may follow, select, combine or alter the different arrangements as may suit his own taste and convenience. We have known very few men to build a house or a barn, who were not obliged to confess, when it was completed, that there were some points, were they to build again, in which they should do differently from what Maine Report on Agriculture

The Report on Agriculture presented at the Agricultural meeting held in the Capitol, in Augusta, Mame, January 3d, 1842, and signed by James Bates, Chairman, is given in the Maine Cultivator of January 22d. It is drawn up with signal ability; and in clear and a direct manner points out the most impor-tant objects of agricultural inquiry, experiment, and improvement. We subjoin some extracts, and regret that our limits forbid the insertion of the whole.

Although Maine stands unrivalled in its maritim e facilities and mexhaustible water power, is rich in minerals and forcets, its growth and prosperity must mainly depend on its agricultural resources; and that to develope these and increase their productiveness are objects worthy of the best effort of its citizens and government.

In bringing forth the productions of the earth, be is the most successful agriculturalist who manures and cultivities lest. Whether a man cultivates in any scres or few-whether his soil be righ or poor-his precept and example are most important to the con munity, who makes the greatest improvement of his means and position. The man who turns a barren plant or beath to a fruitful field, or reclaims a worthless beg, which was before only a misance, may do more for himself, and be of more use to his neighborhood, than he who cultivates the largest intervale farm in the State. We do not feel sure that there exists a correct public sentiment on this part of the subject ; be that as it may, it cannot be concealed, that much diversity of opinion exists as to the best mode of cultivating almost every variety of soil, and the kinds and conditions of manures and modes of applying then .and for want of the neces-ary information upon this subject, much loss of labor annually results from illdirected effort. Men must already be in poesession of facts of high practical importance; which are either not known or not duly estimated by others; which if spread before the people, would advance the interests of our entire agricultural population. Such men pessees the means and information necessary for instituting experiments, which would continually aid and increese such advancement.

In order to avail ourselves of what is already known and to keep pace with improvements which are daily developing themselves, measures are required to ditfuse extensively that knowledge which is already possessed by some, and well conducted and judicious experiments are needed to add to what is already known.

They believe the time has arrived when induccments should be held out for well conducted and faith-

fully recorded experiments 1st, To test the comparative value of different men-

ures as applied to similar or dissimilar soils. 2, The best mode of manufacturing manures, and

the time and manner of applying them. 3, The most profitable crops to be grown on different varieties of soils, having reference to locality,

market, &c. 4. The best mode of preparing the soil for, and nanagement of, different crops.

5. The advantages to be derived from admixture of soils, by supplying those constituents, found to be materially wanting, or in too small proportion. The materials for doing this, existing in abundance in every part of the State. It seems of great importance to sacertain not only the heat mode, but the time when, and place where, increased production will compen-ente the outlay of labor and expense. We doubt not the time is approaching when our sandy plaine, stiff clays and stubborn bogs, will, by simple admixture, with the addition of a small quartity of lime or other alkaline substance, be rendered abundantly produc-

6. To test the comparative value of the different grains and roots to be consumed on the farm in feeding and fattening animals.

7, What animals are best suited to our climate, and most profitable in the different sections in the

We cannot doubt that such experiments judiciously made and faithfully recorded, would greatly conduce to the public good; and since such experiments would often require a sacrifice of expense and labor on the part of these who make them; we believe sound policy requires that inducements should be offered at the public expense, sufficient to secure the attention and enlist the efforts of those most competent to make and record them.

No mode of doing this, has suggested itself to your committee, which seems so fessible and at the same time so equal, as to offer such inducements through the medium of the County Agricultural Societies. In several countres such societies already exist, and, should our views be a 'opted, others will doubtless be established in every county in the State. The general interest already taken in these societies, the manifest good they have done and are doing, very materi ally points us to them as the proper instruments to be employed in bringing about the greater good we seek to accomplish.

Garden, Field, and Flower Seeds.

Gauden, Frield, and Flower Seeds.

This subscriber having established a fare Seed Garden
about one interrorm the city, on Mannes street, would
about one interrorm the city, on Mannes street, would
be considered to the subscriber of the subscriber

Rochester Plough Manufactory.

A Two states freet, may be found a good assertment of color states freet, may be found a good assertment of colorest, and a good assertment of colorest, and a good assertment of colorest, and assertment of colorest, and assertment of colorest, and state plongh, also, California, Revolving Hospital California, which is stated to the colorest of colorest and colorest of colorest of colorest of colorest and colorest of colorest o

PLOUGHS.

A NEW AND SUPERIOR KIND OF PLOUGHS, may be pushed and for breaking up summer failow, may be pushed and the chester Engle Furnace,—price so and Sceach. Wood and other produce taken in exchange. change. June, 1°12.

Farmers Take Notice.

THE STATE-STREET DRUG STORRE is removed to A. 22. Buffalo-street, the fourth door below the Areade Hall, where may be found a large assortiment of Drous, Mergents, Patyer, Orts, Dux Woors and Sterrs of the very best up they also, Crisice Family, Groue area, hought in New York 1 cash prices, all of which will be sold at the form of the prices.

west market prices. The Modder Compound, Indigo Compound, and Pink Com-The Modley Compound, Indigo Compound, and Pink Compound, which has been stell by M. B. Elson, and which has been stell by M. B. Elson, and which aways give entire so is faction for their rectainty in color and so that the stellar stellar

BEEBE'S STRAW CARRIER.

BEEBE'S STRAW CARREER.

I'll anisotric having solid to rit hot his Patent, Straw
I'll arrier in the counties of Genesee, Livington, Outstraw, William of Committee on the state of New York, on the near of Ohio, all persons withing the above markines can be supplied in Orleans Co., N.Y., by Halmen Cossilt at Riga. Centre; and in the counties of Outrain and Livingson it Committees of the Committee of Ohio, all persons withing the above modifies of Outrain and Livingson it Daniel C. Mr. Person's Sectivitie, Monroe Co., Those wishing the above modifies in any other part of the United States, will please apply to the subscript. All persons wishing the above machines before the first of October next will do well to call soon. County and state rights on reasonable terms.

URIAR BELSE.

Res. Monroe Co., N.Y. April 1st, 1512. Riga,

RECOMMENDATION.

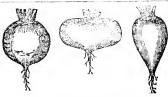
The und reigned having seen or used Uriah Beche's Patent Straw Carrier, believe it to possess much meritas a laent Straw Garrier, believe it to possess much merit as a hos as nig machine—it performs the work of separating the straw and chalf from Wheat. Outs and Barley, we have smallest amount of power, does it releanly, and is durable, simple and cheap. Possessing, as we conselve, all those qualities in an enlinent accept, we discribilly recommend it to the public. Win, Frieder, Chillia, R. Harmon, ir, Wincattand, Win, Grieb, Cale Ionia, Win, Grieb, Chile, Cale Ionia, Win, Grieb, Chile, C

William Reed

The Imported Horse Alfred,

TEANS—Ten delives e. chuare, for the season, to be se-circle by approved notes payable on the let of December, Should not of the marcs prove not to be with foul, the own-ers to here us payables of puttle others the next-season, if the horse a natus in this region or in the event of his re-moval, to have one half the amount returns. THOMAS WEDDLE, RECORDER PORDON.

May 1, 1812. GEORGE FORDON.



Rula Baga and Turnip Seed.

A NEW supply of genuine imported purple top Ruta Baga Seed,—also a full assertment of English and Scotch Turnip Seeds, for sale at the Rochester Seed Store

T. DUTCH CLOVER SEED, a fresh supply, re-

erved at the Seed Store. SILK WORM EGGS, of the large Sulpher variety, for nle at the Seed Store - \$1 per ounce.
June 1. M. B. BATEHAM.

Non-Resident Lands in Michigan. Non-Resident Lands in Michigan.
This undersigned respectfully anomainers to the public.
If that Is has opened an Officia that eath for the specific object of Lettin and general Accord for the parameter Traces on run, resident Lands, now, or becenter to become due, if a contract the property of the pro

His charges will at all times be reasonable, and proportion-

to the services rendered. The undersigned will endeavor to make himself thorough-The undersigned will endeavor to make himset unronging against with the varies of Lands in every part of the State that he may be enabled to give information to all engineers, and tribelier [a, will underside the sade of the same. He has better most respectfully to refer as to character, and expects, to redeem the photos above given, to the nonevolcerificates.

Detroit, March 1, 1840. Detroit, March 1, 1810. Detroit, March 5, 1840. Ithink such an office as is proposed by Dr. J. L. Whiting highly necessary for the convenience of the community, and Michigan, much knowledge of the country, strict interity, addernrethusness habits, for the duties of the proposed Agency.

Prest Bank of Michigan.

Prest Bank of Michigan.

From a long and intimate negation and with Dr. Whiting, I am happy to testly my full concurence above statements.

THOMAS FOWLAND.

Land 16 (WHAND).

Land office, Ferragy of State.

Land office, Petroit, March 5 [80].

Having long known Dr. 3. L. Whiting, I most cheerfully concur in the above recommendations, and would further tender to him any facilities this Lend Office may afford in all of the objects of his advertisement.

nil of the objects of his advertisement.

J. KUARSLEV, Receiver.

I have been intimately acquaints with Dr. J. L. Whiting for several years, and fully concur in the sentiments above

or several years, and thin contain in the solutions move expressed, for relation to him Z PUTCULR, Mayor of Detreit, Such an office as Dr. Whiting proposes, will be of great utility and convenience to non-residents; and I can happy in every was qualified, and can be ROBBET STI ART. same the public, that he is every

Having known Dr. Whiting for many years, I fully contratile above.

B. GOODWIN, cur in the above.

cut in the above.

To the above ample testimonics in reference to the capacity, industry and integrity of Dr. Whiting, I take pleasure in a ling are full and corbid concurrence; and heartily commend the proposed Agenty for Proposelence and Augustians, Cashier Farmers & Weckmiss' Bank.

Vonng Alfred.

Voting AlfredWill, stand for more this sen on, 1-12, at the following
Uplaces, viz. At John Lower's, Chili, Tooshaya, Webnegl-vs. Thirstays and Fridays, the 91, 419, 54, 64, 64, 744,
telt, 199, 24th, and 3 st of May, and 1st, 24, 3, 1th, 15th,
16th, 17th 2-bt, 24th and 39 sh of May, and 1st, 24, 3, 1th, 15th,
17th, 17th 2-bt, 24th and 39 sh of June, and 1st of July,
At the Nithand Temperance Hotel, Ruchester, Saturdays,
and Mondays from the 7th of Mat to be 19 of July
At H. Unddwicks, Penfield Thestays, Webersel vy, Thursand Pul days, with, 1th, 19th, 25th, 25th, 25th, 25th, 25th,
25th, 25th, 25th, 25th, 25th, 25th, 25th, 25th, 25th,
25th, 25th, 25th, 25th, 25th, 25th, 25th, 25th, 25th,
25th, 25th, 25th, 25th, 25th, 25th, 25th, 25th, 25th,
25th, 25th, 25th, 25th, 25th, 25th, 25th, 25th, 25th,
25th, 25th,

Voung Alfred is a fine bay, was shed by my imported horse Alfred; Alfred was got by Shiekkaul's King Alfred, his dam by Stable? old horse, grandian by Frank's Volun-ter, gr. gr. dam by Harrison's horse of Sketenbeck, Stubbs, teer, gr. gr. dum by Harrison's horse of Sketenbeck, Stubbs, horse was by Du s'gy's add horse, dum by Otston's horse. Dumbev's horse was by Agar's old Dart, dam by old Rainebow; Pra Ke Volunteer was by Marris old Volunteer; King M. e. I was bred by Sr. George Sirickland, and was by Pravidence, dan by Peerless, s.c. Torse, pavalle on the TRIW's—Pen dollars each mare to MOMAS WEDDLE.

st Decem er next. May 1st, 1212.

The Young Lion of Monroe,

The Noting Lion of Monroe, X711A stand the geometric scann of the following places; Y7 Wednesdays and Thins lays at the stable of the subscriper in Child; rid, as and Santrakas at the stable of P. G. Jones, Castronal Hotel, Rochester.

The YUNG LION will be five years old nev June his color is dark gray, he is sixteen hands high anower is note; whey hondered he took it as econologies has fall thochester at the County Agreet ura! his; was streed by the crywas sired by Okt Daroe, X believed to the consistency of the control of the control of the country by Col. Fixing the Sone of the Young Lion's stocking, we see no in the farm of the subscripter.

The senson will commence the 1st of May, and end the 1s of July. TERM's, lend dollars to insure a food Texture will be provided for M. reg from a destance. All accidents at the

The season will commence the 18t of 19ty, and can use of July. TEMIS, ten dottars to issue a foat Pasture will be provided for Marcs from a distance. All accidents at the risk of the owners. Persons putting marcs and parting will them before foa ung time, will be held responsible for the services of the burse.

A. BALLINTINE. vices of the borse. Cmb. April 25, 1842.

Cubi, April 25, 1842.
We the undersegred, have examined Mr. Bullintine's lors the Vourg Lion of Monroe, and tholk him decidedly one of the lest horses in the county.
G. C. Baker, Septhen Charles, William Charles, Mathew Witherk, A. R. Shaw, Ja's W. Sawyer, John Parsonson, I. G. Jones, Wm., Tone

ROCHESTER PRICES CURRENT.

COLRECTED FOR
THE NEW GENESEE FARMER, JUNE 1, 1842.
WHEAT,per bushel,\$ 1.28 a \$1,31
CORN, " 41 44
DATS, " 28 31
BARLEY, " 44 50
RYE, 53 56
BEANS, White " 75 1 00
POTATOES, " 25 28
APPLES, Desert,. " 62 75
FLOUR, Superfine, per bbl 5.75 6,00
" Fine, " 5,25
SALT, " 1,25
PORK, Mess, " 8,50 9,00
" per 100 lbs 3.00
BEEF,per 100 lbs 3,50 4,00
BEEF,per 100 lbs 3,50 4,00 POULTRY,per lb 7
BEEF,per 100 lbs 3,50 4,00 POULTRY,per lb 7 EGGS,per dozen, 8 8
BEEF, per 100 lbs 3,50 4,00 POULTRY, per lb 7 EGGS, per dozen, 8 5 BUTTER, Fresh. per pound 10 15
BEFF, per 100 lbs 3,50 4,00 (200 t-/FRY, per lb. 7. EGGS. per dozen, 8. EBUTTEE, Fresh. per pound 10. 15 (Firkin, ". 10.
BEEF, per 100 lbs 3,50 4,00 POULTRY, per lb. 7. EEGGS, per dozen, 8. 6 BUTTEE, Fresh. per pound 10. 15 CHEESE, " 10. 6 CHEESE, " 6. 6
BEFF. per 100 lbs. 3,50. 4,00 pc. 100 l.TRY. per lb. 7. FOUL-ITRY. per lb. 7. EGGS. per dezen, 8. 5. 5. BUTTER, Fresh. per pound 10. 15. Firkin, 10. CHEESE. 6. 6. 1. LARD. 7. 5.
BEFF. per 100 lbs. 3,50. 4,00 pc 100 lbTRY. per lb. 7. EGGS. per dozen, 8. 5 BUTTER, Fresh. per pound 10. 15 "Fikin, "10. CHEESE. "6. 6. 5 TALLOW, Clear. "7. 5 TALLOW, Clear. "8.
BEFF. per 100 lbs. 3,50. 4,00 pc. 100 l.TRY. per lb. 7. FOUL-ITRY. per lb. 7. EGGS. per dezen 5. 5 EUTTER, Fresh. per pound 10. 15 Firkin, 10. 10. 1.ARD. 7. 6 E. TALLOW, Clear. 4 E. TALLOW, Clear. 4 E. TALLOW, Creen 4 E. 4
BEFF
BEFF. per 100 lbs. 3,50. 4,00 pc)
BEFF. per 100 lbs. 3,50. 4,00 pc) FUCL-TRY. per lb. 7. EGGS. per dozen, 5. 5 BUTTER, Fresh. per pound 10. 12 "Firkin," 10. CHEESE. 6. 6. 5 I.ARD. 7. 7. 8 TALLOW. Clear. 8 S. TALLOW. Clear. 8 S. TALLOW. Clear. 9 S. TALLOW. 9 S.
BEFF. per 100 lbs. 3,50. 4,00 pc)

CLOVER SEED,... " ... 5,50 ... 6,00 New YORK MARKET, SATURDAY, MAY 28.- Flour, says the John of Commerce, is dully the sales of Genesee are in small way, at \$6.31, though sellers would part with large t \$8 %5

lots t \$6.55 Berryto, May 27.—Flour continues to advance, contrac having been closed to take heavy lots of Mich gan, yet-arive, at \$5.50. Al mostleth is morning is held at the abo-price. A full cargo of Himois while t, not be t samples, hi-heen sulf at \$1, 3; and Flydh mush. Or very fine Glin, vi Fairport, was sulf at \$1,17. Both ga to Rochester mid-Work mather ee making at 35 cent hush. For the Ne-Work mather, Vork market. Uncurrent Money

| Redward Lancurent Money | Redward Lancurent Money | Redward Lancurent Money | Redward Lancular Hurch's | Michiga | Michiga | Michiga | Michiga | Michiga | Michiga | 1000 | Michiga | 120 |

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New Artificial Manure. Communication on do. Bloated Cittle.
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Convention of Ploud Indukers and Farmers. Counda. The Convention of Ploud Indukers and Farmers. Counda. Gradworm. A regultural Publications. Sale and Christopher Castor Coundary (1 Coundary Coundary

Cayed, A. Anton, and A. Anton, and Son. C. A. Cayed, C. A. Cayed, F. Mantre, Harraving Pet toes. To the Sowing Coun for Folders, Mildew on Go selecties. Value of a Agricul ural Paper.

Plan of a Bara. Maine Report on Agricu ture.

Price Current Advertisements &c.

PRINTED FOR THE PROPRIETOR. M. B. BATEHAM, Book and Job Printers, and Publishers of the "Rockester Evening Post" and "Western New-Yorker."

I. B. BATEHAM, Proprietor.

Thermometer.

VOL. 3.

Weather.

ROCHESTER, JULY, 1842.

HENRY COLMAN, Editor.

PUBLISHED MONTHLY. TERMS.

FIFTY CENTS, per year, payable always in advance. Post Masters, Agents, and others, sending current monfree of nostane, will receive search only for \$3.,—Tachte pies for \$3.,—Tachte, sending current monfree produces of this maper is only one cent to any place thin this state, and one and a haff cents to any part of curried States, and one and a haff cents to any part of curried States, and one and a haff cents to any part of the united States, and one and a haff cents to any part of the united States.

METEOROLOGICAL OBSERVATIONS.

TADE AT THE ROCHESTER COLLEGIATE INSUITUTE BY L. WETHERELL, JUNE, 1842. Winus.

Date	Sunrise	1 o'clock,r.m.	I h. af.ennset.	Menn	Α.		A	۳.	Rain Gage
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29	50	62	56	55.83	е	N	Bun	rain	.43
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7	37	57	47	48.66	SE	N E	fair	fair	
8	47	50	54	52.	S	SŁ	rain .	a i a i	
9	57	70	55	60.16	s w	N	cl'dy	el'dy	.25
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11	36	49	45	42.66	N W		fair	fair	.70
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25	51	74	61	65.	w	5-N	el'dy	inin	. 23
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Mean	tempe	rature	of	May,	184	2, 5	2.33	degrees.
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				6.6	184	0. 5	7 97	4.6
Rain	Grage	, Mny	26,	to June	25,	1842	3.68	3 inchee.
4.6	6.6	4.6		66		1841,	.9:	7 "
64	14	64				18.10	9 15	2 64

The last month, commencing May 26th at dending June 25th, has been very cold and wet.

It was remarked to me n few days ago by a gentleman fron Connecticut, that he thought it the coldest June since 1816. What says that aged, venerable farmer, who has kept a record of all the extraordinary events of the last 60 years: is the above statement correct, according to your record and observation ?

May 30th, Radishes in market, 31st, Rose in Lloom -red and yellow; also, Peony. June 4th, Aurora Borealis this evening, very brilliant. 6th. Red Clover

injured in many places. It extended east into Massachusetts and Connecticut, where corn and the toliage of trees were killed.

9th, Garden Strawberries ripe. 10th, a very rainy day; in many places east there was srow.

At Paris Hill, Oneida Co., snow fell to the depth of two inches. The same in Newport, Herkimer Co. Snew in Poston, and on the hills in Berkshire Co., Mass. It was said that the snow tell 3 mehes deep on the hills back of Syracuse and within 8 miles of

11th, Ice this m rning the thickness of half a dollar. Bridges and walks were glazed over with ice in real winter style. The canal was frozen over in several places-that is, ice was formed on the surface.

Field Sunwberries ripe. Cherries in market, 15th and 19th, Summer heat; showers with thunder. New Potatoes and Green Peas in market. 23d. very cold-overcoats and fires requisite, the one if you go out, the other if you stay within doors. 25th. Thunder Shower near sunset. It is said to be very fine weather for wheat and grass; but Indian corn is small.

POLITICAL ANOMALI S OR INCONSIS-TENCIES.

We are not willing to plunge into the political sen, turbid and bitter soits waters are too often rendered by party excitements, prejudices, and resontments; but any calm observer ca not fail to be struck with the anomalies and inconsistencies, which every where present themselves. We are told even by those who have lived longest, that the times were never harder than at present; and that there has never been more general distress and suffering and want than now prevail in our community. Yet all this in a country, where there is neither war, nor sickness, nor famine. nor oppression; where the taxes are not even felt by the people; where the blessings of education, and law, and order, and civilization are enjoyed to the full; where the most fertile soil under the sun is to be had for asking; and where in the free States is enjoyed as much of personal liberty, as ever fell to the lot of man in a social condition, and a perfect security of the fruits of his own industy. Now, where is the cause or the sent of the disorder and suffering, which are so prevalent, and every where the topic of complaint? Again look at the foundation of complaint every where explicitly avowed; over-productionover-production. It is not want : it is not failure of crops; it is not universal indolence and inactivity .-No, it is too much bread, ; too much clothing ; too much luxury; too much of every thing that is good; too much personal industry and labor. We must ent off the producers and increase the consumers. Ah! e all gratitude to Heaven, and all humanity dead in the soul of man?

Then again another cause of complaint is, that our farmers are losing the market for their grain and their ment, because of the Temperance reformation and the progress of Graham principles. That is, we are bein blo om 7th, Frost this morning-vegetables much | coming too moral; too abstinent; we are not willing | in type, are unavoidably postponed to our next number.

to indulge ourselves enough; we are not willing to poison ourselves; we are not willing to make ourselves and our friends miserable and infamous, in order to encourage agriculture. How selfish and unpatriotic !

We might go on to extend this table of social anomalies and inconsistencies until we reached the end of our humble sheet, but we must forbear. We throw out these facts, if facts they are, for reflection. So far and so intimately do they connect themselves with the condition of our rural populati n, that we hold them open to, and invite discussion in our columns -We believe for ourselves that the source of them lies much deeper than most persons imagine. We believe that no government that has ever yet existed can cure them. They are far beyond the reach of all ar uticial remedies. They grow out of the fixed and unalterable laws of Divine Providence, which in its certain retributions men seek continually to contravene. We have had already a great deal too much law and too much political quackery. The diseases of the social condition spring out of the unmitigated selfishness, and unbridled rapacity and avarice of the hoonn beart.

Sir Robert Peel, in his late extraordinary speech on the revision of the British Tariff, remarked that his proposed reduction of the duty upon cared fish, (by which the condition of the poor would be greatly alleviated,) was very warmly opposed by a man extensively engaged in the Herring Fishery in the island of Jersey, who very frankly wrote to him, tha "he was for free trade in every thing but herrings. Here is the secret out. "I mistook; it was your ball that gored my ox." "Ah !" said the impartial magistrate, "that alters the case," entirely.

Cattle Shows, Fairs, and Ploughing Matches.

We subjour a notice of the times of holding the several Agricultural Pairs, which come within our knowledge, within the district where our paper principally circulates, a. d chall keep it in until the times We shall be obliged to the Secretaries of the different Agricultural Societies in New York. Obio, New En land and Canada, if they will give us (post unid) the notices of their respective fairs.

Sept. 28 and 29. New York State Fair, Albany, Oct. 13 and 14. Monroe County Rochester Canandaigue, Oct. 12 and 13. Outstio Genesee " Oct. 20 and 21. Batavia. Sept. 5 and 6. Palmyra, Wayne Livingston " ٠. Oct. Genesec. Oct. 11 and 12. Rome, Oneida Oct. 20 and 21. Waterloo. Seneca Tompkins " Ithaca, Oct. 6 and 7. Oct. 5 and 6. Onondaga " Syrneuse.

Thin out your Peaches.
The peach trees in this vicinity are overloaded with young fruit, and those who wish to have fine peaches should lose no time in thinning them out; not leaving more than about one third of the number. These will grow three times as large, and be worth six times as much as the whole would be if left to grew. B.

Omissions.
We regret that the articles on Stearine from Lard,
Oil from Corn Meal, and Tomato Figs. &c., from our respected correspondents McLean and Crocker, though Scientific Agriculture .-- Letter IV .-- Manures.

The value of ammoniacal liquor produced from the istillation of coal for gas being fully ascertained it accomed to be desirable to make a composition which besides other actions, should produce the liquor or a good substitute for it, with the additional advantage, that it should, by its very gradual decomposition, supply the ammonia slowly and in small portions at a time. Let us examine how these conditions are fulfilled in this new artificial mannre. It is now admitted on all hands, that coal is of vegetable origin; in other words, that it is formed from the dense forests of the primeval ages, buried and carbonized by heat under immense pressure, and also that all vegetable substances commin a small portion of exote or nitrogen. Now saw-dust is the basis of this new manure, and woed is the basis of coal, according to Liebig; also vegetable substances when decayed from humas. This sawdust is mixed with earbonneeous matters; what these are I do not pretend exactly to announce, Coal tar, as tar, is certainly injurious to vegetation, yet it may, by some process, be deprived of this propcrty, but nearly all these carbonaceous substances contemplated, except coal ashes and anthracite, contain a certain small quantity of introgen. To these are added lime and soda; these two, besides their value in agriculture by themselves, according to recent chemical discoveries, when in combination, are very powerful agents to cause the evolution of ammonis; lime is so by itself. Of the small proportion of sulphur added I will say nothing, except frankly to confess that I do not at present see its value, unless it produces aulphuretted hydrogen or in some way assists the decomposition of the mass. Nevertheless, I should by no means omit it in making the trial.

Here then is an admixture containing many of the most valuable requisites for luxuriant vegetation, which, if its own internal action produces gradual decomposition, must be of much service in agriculture. One thing, however, is still wanting .- proof, extensive proof under many circumstances. That it will be extensively tested with various soils and in various situations, there is no doubt; if successful, it will be another jewel added by science to the agricultural

Reason and experience teach the undoubted value of nitrogen or azote to plants; let us now see what aubstances contain this, and how the farmer may procure it in the most economical way, for it is no use to explain to him the value of the ges liquor, when there are no gas works within miles of his farm,

All enimal excrement, as cow and horse manure, but particularly that of man, contains a large quantity of ammonia, which is azote mixed with hydrogen gas. On the proper management of the dung heap of his own farm, the farmer has chiefly to depend.

It is now the fashion to say that fresh manure is the most valuable, that is manure previous to fermentation, as it is by this fermentation that much of this important ingredient, ammonia, evaporates into the atmosphere and is lost to the owner, although his neighbor may resp the benefit of it. But the farmer can only manure his land at certain periods of the year; therefore, even if it were best in this state, it cannot always be used fresh. Formerly it was believed that old and well fermented stable dung was the finest and richest manure that could be had, and this is now not far from the truth, although some valuable ingredients are lost, and the quantity appears to be much diminished. Let us reason on the subject with the new lights. Fermentation and heat in the interior of a large dung heap, carbonize the vegetable matters, which are then in the most extreme state of minute division; the particles being much smaller than the finest powdered charcoal, each of these minute particles is thereughly saturated with the amme | consist of nitric acid and potash and soda, respectively, | most of the theories recently put forth by scientific men

nia formed in the centre of the heap, and which was and nitric acid contains one part or equivalent of n prevented from cacaping by the manure outside; these particles are moist and cool and packed together so closely that all farther cacape is prevented. On the application of these minute well saturated particles to the action of the roots, great luxuriance results; their contents, both of carbonic acid and unintuin, are af forded to the plants just as they are wanted, in great plenty, and in a state of the minutest division. But it is true that much ammonia is lost, and what is lost is wasted, and must be saved. Now good loam is found on many farms, and this is an excellent absorbent of ammonia, although not so good as carbon. The intelligent farmer should therefore pay much attention in making up his manure heap, and as he lengthens the ridge by additions, should carefully cover it up with loam, which would thus absorb the ammonia that would otherwise escape, and become so impregnated with it as to form a very valuable addition to the heap. Mr. Schatteuman in Germany, who has the manure of about 400 horses to manage for his land, in order to save the ammonia from escaping, constantly moist ened his heap with green vitrial or sulphate of iron, and as fast as it can through poured it on again; the sulphurie acid of the vitriol or sulphate of iron entches up the ammonia and forms a sulphate of ammonia, which with exide of iron or iron rust, remains in the dung heap. I confess I am a little sceptical on the value of this plan, and believe in the superiority of covering up, but it shows at all events that there is a general faith in the value of ammonia. The labor, to say nothing of the virtial, would be too valuable here, and it is probable that the oxide of iron in any quantity would be injurious to vegetation. All night soil and excrements of man, must be earcfully collected and added to the heap, as well as all slaughter house offul, except the fat which is of no value: these contain a very large quantity of ammonia. It is in the careful preservation of these, and no doubt in the useful practical preparation of them, that the Chinese so far excel the rest of the world. The communication of the minute details of the Chinese methods of preparing and applying manures of all kinds, would unquestionably be of the greatest interest to our agriculturists, and it is to be hoped than when all the political troubles are gone by, we shall be enabled to get some insight into their practices. There substances, however, require to be used with the greatest caution; all food offered to plants, except in a sinte of the miuntest division, is injurious to them; the Homozopathic system suits them best, but then it must be given in great plenty and all the time they require it. Thus the ammonia in rain and snow water which, necording to Licbig, is absorbed by plants, is in so small a quantity as to have, until within the last few years, escaped the research of chemical analysis; and the value of the well fermented manure mentioned in the former part of this letter, depends much on its minute division. The night soil and offal should therefore he added to the manure heap in small quantities, and spread thinly about, so that its decomposition by the fermenting heap would be surely effected. Green crops also contain ammonia, and must therefore be useful manures. There are, however, several other sources, from whence azote or nitrogen may be readilv obtained in abundance. These are the class of salts called nitrates, such as nitrate of potash or saltpetre, and nitrate of soda. Your readers are already informed how extensively these are used in English agriculture, and by the last accounts, the application of them was certainly increasing.

trogen and five parts or equivalents of oxygen; a the constituents of these substances then, are necessar to vegetation, and according to the above statemer of Danas, which there is no reason to doubt thes requisites are condensed into a small space. My ow experiments with saltpetre, which were not on a ver extensive scale, gave a large increase of foliage; but could not observe a corresponding increase of flowe or fruit,-thie, however, on grass lands would be ve: ndvantageous. Yet these nitrates, however, like the former compounds of nitrogen, must be used wit much caution, as too large a quantity presented to the roots at once would inevitably destroy them; of the many instances have occurred under my own observa tion. With respect to sultpetre, it often comes from the East Indies considerably adulterated with comme salt, as much as 5 to 12 per cent, sometimes eve more, and although salt in small quantities is not in jurious, yet it is by no means so valuable as saltnetre it also comes sometimes in large crystals - cometime drier than at other times. These remarks apply t the quantity per acre; of saltpetre of fair quality about I ewt. to the acre, sown broad east in the spring is considered a proper supply; but if the crystals ar large they ought to be broken, as a large lump fallin, near a plant would prove very injurious on that spot These remarks are equally applicable to nitrate of sode which, however, soldom comes in such large crystals and is often more damp than saltpetre. Of cours the more moisture, the more water, and the less nitrat of soda in the weight, so that it will often be requi site to apply 14 or even 12 cwt. per acre of this latte substance. Another source of nitrogen or azote t plants is rain and snow water. Liebig states that al animal and vegetable substances which decay in th open air, give out ammonia in quantity, that when the rain descends in drops through the atmosphere, i combines with this floating and periform ammonia which is thus conveyed to the roots; and that in thi way a considerable part of this necessary substance i provided for vegetation. It will have been observed in one of my former letters, that ammonia, although found in almost every part of a vegetable in versmall quantity, still done not constitute any consider ably part of the plant as does carbon, but that its as is chiefly to assist in the digestion or assimilation of the food which the plant takes up; hence we see th necessity of its being supplied constantly with thi food, and in small quantities; in proportion, there fore, to the supply of food, so must be that of mitro gen and ammonia. J. E. T.

Lectures on Agricultural Chemistry, by Jas. F W. Johnson, render of Chemistry and Mineralogy in the University of Durhum, Eng.

This is an excellent work and contains a large quantity of valuable information; but these Lecture. ought to have been called Lectures on the Chemistry of Vegetation, rather than on Agricultural Chemistry and this distinction is drawn in order to prevent those who take it up from being disappointed in their expec tation, if they think to find it full of ideas and reciper respecting the mixture of composts and the various scientific modes of tillage.

Although very far from wishing in any way to depreciate the value of the great mass of scientific knowledge, of which the rays are now accumulating to concentrate in one brilliant focus of light on agriculture the truth is the numerous recent publications on this subject render it quite clear that before this knowledge can attain its desired practical force, either the farmer must become more of a chemist, or the chemist Durges, in his Treatise on Chemistry, states that more of a practical farmer. When this union of char-100 pounds of saltpetre contains as much nitrogen as acter and pursuits shall have taken place, then, and 3 to 400 pounds of animal matter. These nitrates then only, shall we be able to pass just sentence on

In the mean time it is quite delightful to see with what real and energy, with what care and calculation, men of science institute acu e experiments to clucidate particular points, and to extend their knowledge on the subject of agricultural chemistry; and as directing posts to the agriculturist, these experiments are of the greatest importance; but in order to understand them, to draw proper inferences and deductions from them. or to vary the application of their principles to varying eircumstances, such as situations, soils, crops, manures, &c., the farmer must brush up his knowledge, must cultivate his mind as well as his field. Let him rest assured that in both cases the crops, in profit and pleasure, will be in proportion to the labor bestowed. The chemical statements and calculations or, as we ought to call them, the chemical statistics in this work, appear to be exposed with much simplicity and accuracy, considerable industry has been likewise expended in drawing information from the latest and most authentic sources of knowledge on the subjects discussed in each lecture.

The first lecture contains an account of the nature and known properties of the four chief ingredients of all the vegetation around us, Carbon, Oxygen, Hydrogen, and Nitrogen or Azote.

The second lecture discourses on the substances organized out of these ingredients, of which the vegetable is composed; and their relative proportions in various plants.

The third explains the properties and relations to vegetable life of carbonic and oxalic acids, and of ammonia.

The fourth gives the probable sources of the ingredients mentioned in the first lecture, with various conclusions drawn

The fifth, an account of the general structure of plants, with the functions of their leaves, stems, roots, bark, &c., and of the various circumstances by which these functions are modified.

The sixth describes the substances of which plants consist-such as woody fibre, gum, starch, sugar, &c., with their mutual relation and transformations, and considerations on the acids in plants.

The seventh is on the chemical changes which take place during the germination of the seed, development of the leaves, roots, flowers, fruit and seeds, and the circumstances by which they are promoted.

The eighth and last, is on the theories recently propagated of the chief supply of carbon and ammonia to plants from the atmosphere, and on the various means by which carbonic acid and ammonia are constantly supplied to the atmosphere to make good the large quantities constantly abstracted by plants.

Here is also an appendix of 40 pages containing the results of practical experiments in agriculture, with suggestions for experiments.

From this brief analysis of the work, it will be seen that the information it contains is of a varied character, and it certainly offers to notice many facts which deserve to be deeply studied by every agriculturist. In pages 1-16 and 117, there is a very singular result given as of frequent occurrence in Holstein-it is, that in contiquous fields, some of which are manured with mail and some left unmanured with mark the crops in the unmanured fields are worse than if the whole fields had been left unmanured, which is just like saving that the healthy crops on the manured lands appropriate to themselves a larger portion of the nourishment from the atmosphere of the unmanured (carbonic acid and ammonia), while the weak crops of the unmanured fields are obliged to put up with the smaller quantity left by the others, for their support. If this be true, and we see no reason to doubt it, as it corresponds with theory, then the farmer who manures his land well and keeps it in good heart, obtains from the atmosphere a

would have gone to his neighbor's crop had it been equally well manured. It is hardly possible to imagine a fact more calculated to give rise to emulation in manuring land than this, and the most delicate conscience could hardly feel it an injustice to appropriate to itself the carbonic acid and ammonia of its neighbor's atmosphere, by highly manuring the land. How vastly puzzling to the lawyers, were the farmers to bring actions at law against their neighbors for the abstraction in this way of the atmosphere on their different farms! In this work there are many confirmations of the truth of facts strongly insisted upon by Liebig, particularly that of the existence of ammonia in almost all vegetables, and the probability that much of it must have found its way there from the ammonia of rain and snow water, although not to the extent supposed by Liebig; for Mr. Johnston states in his last lecture that much of the ammonia combined with rain and snow water, must find its way in its natural descent, as well as by means of rivers, to the sea, and there be engulfed, -there being, as he states, no process by which this ammonia can be restored to the atmosphere. In this point, however, he is in error, or probably he has not heard of the experiments of Mr. Aime, Professor of Physics in the French College at Algiers, which proved that large quantities of gas were disengaged by marine plants (sea weed) from the salt water, which gas contained from 15 to 83 per cent of Nitrogen and the remainder Oxygen-the percentage of nitrogen depending on the time of the day when the gas was disengaged, the bubbles of gas disengaged before sunrise containing the largest quantity, those after sunset the smallest : several new facts are also added to our knowledge, such as that the hydrogen of the aumonia is useful to the growth of vegetation.

The accounts in the Appendix of the experiments with various substances used as manures, such as sulphurie acid, gypsum, saltpetre, nitrate of soda, sulphate of soda, charcoal, salt, animoniacal liquor, &c. &c., are of the greatest interest, and should be spread among farmers through the different agricultural periodicals in the greatest profusion. But they ought to be accompanied with remarks on the condition of these experiments, many of which seem altogether to have escaped the notice of the experimenters. Thus a soil of stiff loam holds moisture and ammonia with much more tenacity than a sandy dry soil : hence in the latter, any solutions of animoniacal liquors, of nitrates, or other substances, require to be applied in a weaker state and much oftener than in the former. It must also, not be forgotten, that the solution of ammonia which nature presents to plants in the form of rain and snow water, is in so weak a state that our chemical tests wilt hardly discover it-and that if this ammonia is given in strong solutions it is more likely to injure than benefit the crops. Now all ammoniacal liquors from gas works are of varying and uncertain strength: therefore, unless this strength were known pretty nearly the result of the experiment would hardly be a fair guide for others. The strength of various applications is an object of the greatest importance in experiments. as is also the nature of the soil and the kind of crop. Another remark may also be of service. The saltpetre imported from the East Indies is usually adulterated with a mixture of common salt, from 5 to 20 per cent, and also with sulphate of potash. Now in experiments the refined saltpetre should either be used which is free from these admixtures, or the saltpetre, if used as imported, should be analysed to ascertain the quantity of them. The nitrate of soda is probably less liable to these adulterations. In the appendix are also many suggestions for experiments, which are of considerable value. Altogether, it is a work well worthy the study of the practical agriculturist, and if there are many parts of it which he cannot at first understand, this large portion of the nourishment contained in it, which I study will clevate his ideas on the subject, and erente

that desire for knowledge in his mind which will urgo him forward in acquiring it, until those parts which at first puzzle and confound, will appear to him quite simple and clear. It is a great advantage to the agriculturist in reading such works, that he lives surrounded by the means of testing its principles, that such operations are his daily occupations and the observation on them is daily before him; so that if he employs well his powers, but a season or two can clapse before he himself will be a better judge of what is there laid down than the writer of the book himself. J. E. T.

Care of Apple Trees.

MR. Emron-Traveling through the United States, in 1840, '41 and '42, I observed the apple trees were become very scrubbed, and many of the apples inferior in size and flavor. The inhabitants ascribed these effects to the apple tree worm. I believe they are all mistaken. Why do they not destroy the worms; it is very ency to be done. Lime water, or strong soap sude, thrown on them will give them a quietus. I am, however, certain the defect is owing to no other cause than lopping the trees in the month of March and April. Let them alone until after they are out of blossom, and then from that time, until tho leaves fall, trim and lop them. If you are doubtful of the good effect of this treatment, just try one or two of the worst trees in your orchards, and you will eee n great change in them in less than two years. It . stend of putting out suckers, as it is generally called, the trees will grow smooth and thrifty, and the fruit become smooth and fine, with a great increase in size and flavor. I have tried the experiment, and found it to succeed beyond thy expectations. The best manure I ever found for an orchard is to draw fresh carth from a distance and throw a few shovel fulls carelessly near the root of the trees, but not to touch the trunk.

If you Link this hint worth a place in your useful paper, perhaps some one besides myself may try the experiment. Apples are deemed by many a worthless crop since the temperance societies have been established. As eider is going out of fashion, try how your borses, cows, and swine will relish a feed of those sorts you used to grind up for eider. Apple trees in general, produce the greatest profit for the lubor, of any crop produced on a farm, and if well attended, will pay 50 per cent clear gain, on all outlays.

B. K. DODGE,

Premiums for Wool Shearing.

In England, Sheep Shearings are made the subject of spirited competition and premium. This is a capital plan. Premiums are awarded to those, who perform the work of shearing in the best manner, and in the sho test time; and also do up the fleece in the neatest and best style. Five sheep in general constitute a trial for one adult person. Three sheep to boys between 11 and 16 years old. Two sheep to boys under 14 years old. The highest premium noticed is £3 stg. -the lowest £1 stg.-but a gratuity is bestowed upon the unsuccessful competitors. This would be an excellent subject of competition with a farmer's club in the same town, or one made up of several towns in the vicinity of each other; and now grog money has ceased to be demanded, it would not be difficult to make up a purse. After the play the farmers dine together. This is always, in such cases, a comfortable and desirable accompaniment, where the expense is within tho reach of the humblest individual.

SNAKES.

Those who are in the habit of destroying snakes, had better let them alone for a few years, as they are early risers, and generally at work in our field by the break of day, picking up those little depredators, the carn warm, which any person may see by going into the corn fields as early, and may satisfy themselves.

Transactions of New York Agricultural Society.

We are indebted to the politeness of our friend Luther Tucker, of the Albany Cultivator, for "The Transactions of the New York Agricultural Society, published by order of the Legislature." The volume has been got up under the superintendence of the Recording Secretary of the Society, Henry S. Randali of Cortlandville, and does great credit to his intelligence and good judgment. It contains a large amount of highly valuable matter, and may be con sidered as an important step in the advancement of a Society destined, from its position, the zeal which gives it impulse, and the intelligence which it combines, to exert an efficient influence upon the agriculture of the whole country.

The volume will be extensively circulated through the eta'e, but as many of our readers can scarcely expect to become acquainted with at excepting through our columns, we propose to go through the book, making such selections and notices as we deem interesting and bearing most strongly upon practice.

To the honor of New York, she has not been backward in giving to the country several valuable publications on the subject of Agriculture. We regret that in this case we cannot refer to dates, but they are not material in relation to the facts. She early instituted an Agricultural Society, which, under the care of Chancellor Livingston and M. L'Hommedieu, and other eminent compeers, gave four valuable quarto volumes to the public, containing discussions and information in relation to several important subjects of agricultural inquiry and experiment. Her Legislature isterwards, under the direction of Mr. Featherstonhaugh and Mr. Buel, published three octavo volumes of agricultural essays and communications, which we have always regarded as among the very best papers ever given to the country. In the mean time, one of her distinguished citizens gave the public an important treatise on the Management of Sheep, mainly translated from the French; and another, a Treatise on the whole subject of Agriculture, which, for the amount of useful information, compressed into a small space, is surpassed by no book within our knowledge.

The Albany County Agricultural Society about this time likewise published several useful tracts; but their publications were soon interrupted, for reasons of which we are not apprised. Then came along the Plough Boy, printed at Albany, which we have had no opportunity of examining, but which we believe was mainly intended for a Farmers' paper. To this aucceeded the Genesee Farmer, edited by Luther Tucker; and after that the Albany Cult vator, under the care of Judge Buel, and since his lamented death transferred to the very able editor ship of Messrs. Tucker and Gaylord. It may be said with no disparagement to any other publications in the country, that more intelligent, useful, and able periodicals than these two papers have been, and the latter continues to be, have, so far as our knowledge extends, been produced in no country. At the demise of the Genesca Farmer by the removal of its principal editor and publisher to Albany, the New Genesee Farmer made its appearance at Rochester, and for two years the atrong approbation with which it was received, evinced the sbility with which it was conducted. Now, in its third volume, having passed into the hands of a particular acquaintance and friend of ours, we feel some reluctance in saying what we think about it: but we may be allowed to add that we hope something from the lad's industry and good will in the cause.

In the city of New York at the same time were pub lished the New York Farmer, edited by Samuel Fleet, es' Magazine, which latter proceeded to four volomes octava, but was in the main a reprint of the former; both of them full of valuable information and useful suggestions and casays.

This has been followed by the Formers' Library, a republication of several valuable foreign works, in monthly numbers, by Mr. Fleet. The Siik Worm likewise, devoted to the Silk Culture, and published at Albany, reached several numbers under the editorship of Mr. Blydenburgh.

The Journal of the American Institute, under the care of Mr. Wakeman of New York city, gave many of its monthly pages to agriculture.

The Central New York Farmer, under the able ed storship of Mr. Johnson, and published monthly at Rome, N. Y., and the United States Farmer and Journal of the American Institute, opened with the present year, and are doing good service to the cause.

A new condition is now added to the great cause in the American Agriculturist, of which we have been favored with the April number, published monthly in New York city, 16 pages octavo, at one dollar per year, edited by A. B. & R. L. Allen; and promising from what we have seen, efficient and intelligent aid to the improvement of our Live Stock in particular, and the general interests of an Improved Husbandry. We most heartily wish them success.

In addition to these, Messrs. Wiley & Putnam of New York, bookseller sand publishers, have issued several highly valuable publications on Agriculture and Hortienlture, and design to keep the press warm.

In the production, therefore, of agricultural information and knowledge, New York may justly lay claim to the credit of having contributed no inferior share. We trust she will continue to go on in this importent career every year with increased spirit and intelligence. Agriculture is her great interest; here ber resources are immense; and we had almost said it may require centuries fully to develope them Every forward step in the subjugation of her uncultivated territory, in the improvement of that which is already subdued, and in the increase of her productive powers, must essentially advance her prosperity, her wealth, her independence, and, above all, the general confort of her rapidly increasing population.

The volume commences with a general history of the New York State Agricultural Society; the Cattle Show and Fair at Syracuse, and the proceedings of the Society at its annual winter meeting in Albany, with the address of Mr. Nott, the President of the Society, on that occasion. These have been already given to the public through our own columns and those of the Cultivator.

These are followed by the Reports of several of the County Societies, of their condition, prospects, and the use they made of their funds and the bounty of the state. Societies were organized in thirty-two of the counties of the state, but only nine have made returns of their proceedings, and these returns are very partial and imperfect.

Tompkins County .- From the return of the Soci ety of the County of Tompkins, reports are given on the subject of Live Stock and the cultivation of Corn and Beets.

The report on Live Stock highly approves the Im proved Derham Short Horn. For size and symmetry, for early maturity and an aptitude to take on flesh of the best quality, as well as their production in milk. the committe pronounce decisively upon their superiority; but they have some hesitation in recommending them for oxen.

From the style of this report we are inclined to re gard it not so much the result of actual observation and personal experience, as of general and popular impression. We have seen only one yoke of pure full and the New York Quarterly Farmers' and Mechan. bloods, but we have seen several pair of half bloods.

which were powerful, quick, and perfectly well train. ed, and we know no reason why they should not nake as good oxen as any.

The committee proceed to denounce the Yorkshire reed, by some persons mistaken for the Durham, as race by no means to be esteemed. They fat poorly; to not tallow well; their meat is not good and they tre bad milkers.

In some parts of the country this kind of stock remains; but they are not approved. The farmers in Tompkins are certainly not alone in this decision.

CROPS.-Four crops of corn are reported to have been presented for premium. Three kinds are mentioned as having been cultivated.

The Datton, planted in hills four feet apart cach way gave 113 bashels of corn and three tons of fodder to the acre.

The Brown Corn produced 105 hushels of corn and two tons of fodder.

The China Tree Corn produced 90 bushels of corn and four tone of fodder.

The Brown Corn, but for some mismanagement, it was thought would have produced the largest crop. The China Tree Corn is pronounced too late for our climate. The mode of harvesting was by cutting up and stacking, when sufficiently glazed.

A second account is given of producing 92 hushels of corn per acre

This was on a clover lay manufed the previous season. The account of cultivating this acre is thus stated:

924 bushels of corn at 50 cents, 39,25 Two loads of stalks at 2 dollars, 4,00 50,25 Expense of cultivation, 14,05 \$35.20 Use of land, profit, &c. &c.

Sugar Beets.

One plat of 1 acre yielded at the rate of 790 bushels per acre.

On plat of 1 acre yielded at the rate of 596 bushels per acre.

One plat of 1 acre yielded at the rate of 502 buchelanor hete.

Orange County .- The Report of the Orange County Agricultural Society is only remarkable for Mr. Bull's account of his method of raising calves. This is certainly high authority, as who should know better than be ?

The Orleans County Agricultural Society report a premium on a crop of Corn of 112 bushels and 30 quarts per acre:

And of potatoes of 700 bushels per scre.

The pointoes were planted upon a low piece of "rich mucky ground never before planted, and had been used for a hog pasture two years previously." The notatoes were planted "close together one way and about two feet and a half the other." This account s not remarkably definite, and the mode of messuring is not given; this we should have been glad to have known.

The corn succeeded corn on the same land; and the preparation was merely splitting the hills of the preceding crop and turning a back furrow and planting in the ridge. No manure was put on the land. "It was a lowish piece of ground inclining to muck. Two oushels of plaster were used upon it." We should nere likewise have been glad to know how the amount if yield was determined, at what season it was ascermined, and in what mode the plaster was applied.

BUTTER.-To these statements is subjoined an acount of a mode of making butter, which being thus resented by the Society, we infer is approved by hem. They state "that milk set in wooden keelers or tube will probably yield the most cream, but not the in pans we shall cerminly undertake to give no rea- many of them, one can live only by cating up an son, until we know the fact, which at present we distrust. The sweetness of the cream will depend, we believe, upon the dairy mail, upon plenty of water among the pans, and somewhat upon the use she makes of her elbow-joints. He advises to u e three fourths of an oune of good loaf sugar to a pound of butter -this we utterly protest against. The butter is injured by the application of any thing but the putest

The contributions for premiume in Oneida county are highly liberal, amounting to 678 dollars-from the state \$255-from subscriptions \$423.

Niagara County Society. Indian Corn -A premium on a crop of corn of 109 bushels 44 pounds to the acre, and for a crop of oats of 923 bushels per sere. No account is given of the mode of cultivation ; but we have another account of a premium crop of corn of 71 bushels per acre and six hundred pumpkins on the same land. We think it quite too late in the day to give a premium on 71 bushels of corp, unless there is something peculiar or extraordinary in the cultivation. We should be glad to know the opinions of farmers on the expediency of cultivating either pumpkine or turnipe with corn.

Washington County Agricultural Society takes the lead of all others in regard to crops; and announces the largest crop of corn ever recorded in the country within our knowledge.

Job Eldridge produced 122 baskets of corn on an acre, each basket 1 15-32 bushels strict measure, which if there be no error in our reckoning, would be equal to 179 bushels 6 quarts to an acre. This statement will be received, we apprehend, with some incredulity; and we can only express the wish that it had been more fully certified. We do not deny its possibility, for we have not reached the end of our line vet; but, but, but, --- we should like to have done it, or to have seen it done.

To Peleg Sherman likewise was awarded a premium for 8063 bushels of potatoes to an acre. This was a magnificent crop; but the committee are careful to express in a note their chagrin at the imperfeet manner in which the amount of crop was verified. The mode of measuring, that is finding that six hills would make a bushel, and then counting the number of hills on the acre, is altogether uncertain and objectionable. We should be very glad to know how they arrived in the case by such a mode, to the fractional exactness of two thirds of a bushel.

We do not, however, deem the statement absolutely incredible, as we have the assurance of one of the hest farmers and best men in the country, that he aseisted in the cultivation and harvesting of 4000 bushels of potatoes from five acres of land.

Eight premium crops are mentioned in this case, but with the exception of Mr. Sherman's statement in a note, no account whatever is given of the modes of cultivation. To know how a thing may be done scems in these cases to be much more important than the simple fact that it has been done.

We shall pursue the examination of these papers on a future occasion.

Wool Growing.

The subjoined article is from the Boston Cultivator of June 4th, whose editor, H. G. Meriam, wheth er his views be right or wrong, is entitled to the highest credit for the ability and zea with which he advocates what he deems the best interests of the Farmer. We are not prepared to enter upon this subject at this time, but the facts which are stated here certainly deserve the most serious consideration. It is obvious how difficult it must be under any protective aystem, to adjust harmoniously and satisfactorily all the diver- husbandry. One hundred shosp may be raised there

Facts which have recently come to our knowledge, make it our duty to call the attention of the public and our legislators to the condition and prospects of our wool growers. Wool growing has already become a great business in the United States, millions of capiinlure already invested, the resources of this vast country, especially the far west, have not as yet begun to be developed in Sheep-husbandry-shough our ananal wool product now exceeds fifty million pounds. and has been worth about \$20,000,000. The number of Sheep in Vermont exceeds thirteen hundred thousand-in New York, five millions three hundred thousand ... n Pennsylvania, three millions three hunhred thousand, and in Virginia, twelve hundred thousand, and in Ohio, nineteen hundred thousand

Now what are the prospects of this vast and grow ing business of the country? It is evident to every man of sense, that the whole depends upon an adequate market. We have before said, that the wool growing business was already nearly rained by the importation of foreign wool admitted duty free, such as come in competition in our own market, with our medium quality. In this we were grossly deceivedwe should have said such as come in direct competition with our wool of crery quality.

We have before us now on our table, six kinds of wool, imported duty free, from South America, fur pished us as samples by one of the largest importers on the United States, which actually cost in South America from 31 to less than 8 cents per pound, and therefore all admitted duty free.

The 1st kind is a long coarse wool about 7 inches in length, and about as fine as the wool of our coarse long wool sheep, and such as is manufactured into carnets, worsted, coarse blankets and negro cloths and comes in direct competition in our market with the wool of our Bakewell and other coarse long wool-This sample is very white and clean and ad sheep. may be afforded for 121 to 16 cents per pound.

The 2d kind is a coarse wool of a finer grade, full as good as the wool of the best of our old feeblaned common sheep, and is admirably adapted for a middle grade of satinests, coarse woollens, and common blankets. 1200 bales of this wool were imported into the port of Boston, last week, duty free. be sold at 163 cents per pound, it will afford the importer over one hundred per cent. profit. This wool by comparison is full as fine as the wool we took from a half Diebley and half Irish corset owe but not quite so long, and may be made as white as the driven snow, by washing alone, as we know by actual ex periment.

The 3d is full as fine as our best half blooded merino wool, and may be cleaned. as the importer told us, from 13 to two cents per pound, either by hand or machinery. This wool is good enough for the second grade of brondcloths, cassimeres, flannels, and the first class of satincts, and may be imported so that it shall not cost the manufacturer, when perfectly

eleaned, twenty cents per pound.

The 4th, same grade, full of burrs and dirt, may be cleaned for two cents per pound, and may be purchased abroad at the lowest rate above stated.

The 5th, is a sample of wool of about the same grade as the above, short and line, cleansed in South America, very white and clean. We were surprised when the importer assured us, that this very wool was imported duty free, and cost in South America, positively less than 8 cents per pound.

The 6th is very similar to pure merino wool, and the sample which we have washed in hot soap suds, has become beautifully white and clean. This wool compares well with some samples we have from the Hon Isaac C Bates' flock, and others of the western part of this State. So fine was this wool, that when compared with Mr. Bates' wool, we were unable to decide which was the finest, nd so we called in a third person, who declared Mr. Bates' a little the finest, but the difference was trifling. This wool was imported duty free, while the very cloths manufactured from this wool, by the compromise act, have been protected by a duty ranging from 50 to 211 per cent, down to June 1842. Is this the justice our public men render unto the furmer? If so, tell us what you will call injustice.

Our annual product of wool is just about equal to our connal consumption, and under a just 'oriff giving the farmer an equal protection with the manufacturer, sheep husbandry would expand equally with our man-

ufactories, and the farmers grow rich equally fast. Much of South America is very favorable to sheep

sweetest " Why it should yield more cream than in sifed and conflicting interests, where, in respect to as cheap and casy as ten in New England. They may graze the year round in cheap pastures, and are consequently less subject to disease, and seldom dicexrept from severe storms and old age. Aware of these facts, enterprising men from New England and other parts of the world, have gone out to South America, and engaged largely in wool-growing, and who, by judicious crossings, have produced the fine wool of which we have spoken.

These facts have led us to alter our views in relation to the amount of duty proposed to be put on this wool wool, being the clip of 1841, is now stored and un-sold in the city of Boston, and if we are correctly informed, cannot now command an offer of one half so muen as it sold for four or five years ago, so great has been the improvement and increase of South American wool, and the facilities for cleaning it. twenty per cent duty proposed by the Sceretary of the Treasury, on the se wools, purchased for less than eig! t cents per pound abroad, will not save our wool growing farmers from absolute destruction and ruin, and cannot fail to prostrate this department of agriculture throughout the United States. For what does 20 per cent on wool, which costs in South America 5 cents per pound, smount to, as a pratection of our wool growers, against this immense and now ruingus competition. One dollar on 100 pounds—just nothing.
The Secretary of the Treasury is certainly mis-

taken, when he estimates the annual omount of this wood imported, at 9,303,992 pounds, for there wee imported into the port of Boston alunc, in 1811, by an actual account, which we obtained from the vigi-lant collector, 6,858,957 pounds, and we are assured by an extensive importer, who is thoroughly acquainted with this whole subject, and the amount of importations in New York, Boston, Philadelphia and Baltimore; and he says there is as much imported into New York as Boston, and that the annual and iccreasing importation, is from 15 to 17,000,000 pounds per annum. This accounts for the great glut and falling of prices in the wool market.

That this subject may be understood at Washington, we shall send on a card containing each kind of wool of which we have spoken, also the sample, which we were told was from one of the fleeces of the Hon. Isaac C Bates' flock-one sample from Mr. Strong's flock, to some Hon. Senator, with a particular request that he shall exhibit t to his colleagues, and time we shall soon know who there are there worthy of the votes of farmers, or true to the great and lead ing interests of the whole people.

Baltimore Wool.

Transactions in wool to a considerable extent have taken place during the week, smong which we note a sale of 10.000 pounds Saxony and Merino fleece, weshed, at 26 cents, 6 months. Sales also of three quarter to full blood Merino at 33 cents on time, and of unwashed at 16 to 18 cents. We note sales also of washed Native to quarter blood Merino, at 20 to 28 cents, as in quality.

Productive Sheep.

A black fell owe, sixteen years of age, the property of Mr. Tyson, of the Old King's Head Inn. Broughton in Furness, has within the last fourteen vesus vesued and rested no fewer than twenty-nine lambs! namely, one when two years old, and two each succeeding year since .- Eng. paper.

Large Fleeces.

Two flecces of wool shorn this year from Merina Bucks owned by Jesse Harroun, Ogden, Monroe Co., of two year's growth, weighed together 23 lbs 13 oz. One fleece from a Merino Buck owned by Mills Landon of the same place, of one years growth,

weighed ten pounda-The above wool was of fine quality, washed and neatly done up.

NEW YORK MARKET, Saturday, June 95. FLOUR—A sa e of 500 bits good brain Genesce, was made at \$5.57\frac{1}{2}\$. Shi pers are willing to take large par els at that rate, but amont find it. From the East the demand in lim ted. W. quote Genesce \$3.57\frac{1}{2}\$ at \$50\frac{1}{2}\$ (b) of hathon, \$57\frac{1}{2}\$; Troy \$67\frac{1}{2}\$ at \$A\$ as \$6\$ (c) hid hathon, \$57\frac{1}{2}\$; Troy \$67\frac{1}{2}\$ at \$A\$ as \$6\$ (c) hid hathon \$67\frac{1}{2}\$; Troy \$67\frac{1}{2}\$ at \$6\$ (d) and \$67\$ is very inactive.

GRAIN—The market is very scantily supplied, and is consequently du 1. Small sales Northern white con at 21-2 cents, measure, and New Orleans at 55, weight. Oat 39 a 40c. Itye scarce: nominally 62 - 22 and 53. CINCINN ATI, June 29—" Business in the produce mar-

ket remains dull-produce of all kinds very ow Pork sells for \$6.0 a \$7 per barre -Figur \$3.75 a \$3.87 1-2-Whis-key 13e per gallon. No \$2'es of note for the past week,"

Threshing Machines.

We give below the opinions and experience of two respectable farmers on the subject of Threshing Machines; and we add to this an account of a Threshing Machine invented and used in New Hampshire, from a correspondent who has no pecuniary interest in the machine, and whose statements may be relied on. We regret that it is not in our power to refer to the Family Visitor as he suggests, and we much wish that we were able to give a drawing of the machine.

We have an entire sympathy in the views of Y, in regard to the trouble and inconvenience of having a travelling machine brought to the farm; and we cannot discover much error in the calculation of F. We are not, however, disposed to go back to the old method of threshing by flail; at least where any considerable quantity of wheat is grown.

With Y, we recommend to farmers to nurchase among themselves a machine for their own use, and to help each other; or as the current term is, "change works." We are not prepared to say what is the best machine or horse power. With Lane's patent horse power, where the horse moves in a box on iron rounds upon an endless chain, we were not well satisfied. It was not always easy to find a horse that would go in it; and we had frequent accidents both to the horse and the machine. Of Pitts' machine we thought well, though we should prefer to have the two operations of threshing and cleaning the grain, performed separately. Page's (of Keene, N. H) horse-power is an improvement upon Lane's, as the horse goes upon wooden "treddles." Of the two machines recommended by our correspondent Y., we know nothing beyond his account. A machine, including horse power and threshing machine, is made in Hillsdole, in the eastern part of this state, which is afforded for 75 dollars, and which, with four men and a boy, and a yoke of oxen and a horse, or two horses, will thresh one hundred bushels of wheat per day, This is an excellent machine, easily set up and transported from one place to another; but the particular name by which it is designated we could not learn. It is much used and approved in that neighborhood, and by the farmers in the parts of Massachusetts adjoining. The machine referred to by Mr. Lyford is certainly remarkable for its small cost. We have seen a machine for threshing capable of being transported in a one horse wagon, and the cost of which was comparatively small, by which two men, it was confidently stated, could thresh fifty bushels per day. We saw it in operation, and we know no reason to doub is efficiency. This was afforded at a low price.

The evil of getting out our wheat all at once, or immediately upon harvesting, does not appear to us on objectionable as to cur correspondent F. Because it is threshed and cleaned, it is not necessary that it should be marketed immediately, where a former has proper arrangements for storing it. But it is very estimable always to close up such accounts as early as may be, and at least to have the article in a condition to take advantage of a demand as soon as it exists. The objection that the use of threshing machines deprives the poor of employment, is of that kind, which would at once put a stop to the use of any and every I loor saving machine whatever.

For the New Genesee Farmer Threshing Machines.

Ma. Colman—Having for many years been interested in the Foundry business, my attention was necessarily brought to the various inventions for threshing grain; and since I have commenced farming. I have become convinced that the system now obtaining generally throughout the country, is radically wrong. The system I speak of is the employment of traveling machines, whose owners travel the country and thresh Almos

at a certain price per bushel. It is attended with so many difficulties, troubles and vexations, that it should be exploded in all the wheat growing regions.

Permit me to enumerate some of which, that in my brief experience, appear like a fearful entalogue.

When you are ready to have your grain threshed you are dependent on the pleasure, engagements and location of some machine, which travels in your district of country, and which, like had weather, comes when it gets ready; or when your turn comes, or when it has finished all of its large and profitable jobs. When the machine arrives, as their interest is to perform the work in the least possible time, you must be prepared with from 12 to 14 hands, the machine must be driven with at least six horses, and such a burricane of hurry and confusion commences, that it is impossible to do justice to your work. To expedite business, the machine is left to run so open between the cylinder and concave, that the grain is passed through in cart loads, and is not half threshed; and t is impossible to clear and dispose of the straw in a clean and proper manner.

If some part of the machine fails, as is not an uncommon occurrence, your whole army of hired men and teams are idle on your honds until it is repaired, overrunning your garden, orehard and melon patch, as they are generally a wild eet, and what is worse, will rarely work without a pleniful supply of the fire water, unless they know you are conscientiously pledged against this permicious practice.

If you have a lot of oats, epring wheat, or barley, that connot be threshed on the same floor, at the same time, it is evident that the flying d agon cannot wait for the cleaning up of the floor, and they cannot offord to come back agoin without the lot to be threshed is sufficient to pay for the trouble and labor of moving and setting up the machine; consequently, you must hammer it out with the flail, which, in these labor saving times, is not to be thought of.

I have given you the bane of this practice, now for the antidote. Every farmer should own his own machine, or let two or three join in the ownership. In my humble opinion, the great desideratum would be a tree horse power. Why—because every farmer has two horses, but every one has not four, and every farmer has men and hoys enough about him to work it. Then, sir, he can with his own machine, his own team, his own hands, and at his own convenient time, do his work to his own estisfaction.

The machinery is consequently light and portable, so that if he has a small lot of spring wheat, lote nots, peas or barley, for which he has no convenient place to house them in, why he can bring his machine to the barn and dispose of them at once; or if he wants some seed whost, and has not time to get out his whole crop, or if osts are high priced as they often are just before the new crop comes to market, why he can rattle out his whole crop in one day. Can he realize any of these conveniences from the travelling machines?

The machine being a light affair, it can easily be brought into the wood yard, a luzz saw rigged to it for cutting the winter's wood, or be attached to a straw cutter, grindstone, root cutter, or grain crusher.

Such a machine, with six men and boys and two horses, will conveniently thresh from 75 to 100 bushels of wheat in a day, and should cost about 100 dollars. It should be simple and compact in its construction; the thresher should not occupy more space than so ordinary grindstone with its frame, and the length of the cylinder from 20 to 24 inches and 16 inches in diameter. The length of the cylinder regulates the amount of power or the number of horses required to drive it.

Almost any of the horse powers now in use may be by placing a band round these two pullies drawn suf-

used successfully with two horses, if the length of cylinder is reduced.

The only machines that I am acquainted with tha comes within these requirements, are one made by Ackley of Rochester, and one by Douglass of Skane atcles, who is the original inventor of the spike machine; both machines have the strength to stand the power of four horses; but from their lightness am compactness of form, are peculiarly adapted to the two horse thresher. The Ackley machine costs little more than the other, and is of the best workmen ship. They are both on the sun and planet whee principle, and work with great case and safety. Y.

FRIEND COLMAN- - I wish to say a few words to th farmers, through the medium of the 'Farmer,' upo the use of threshing machines. Much has been sai and many have supposed that threshing machine have been a great benefit to farmers; that they have not, it is my intention to show. First, threshin machines have been a great disadvantage to laborin people. In many places poor people now have no employment in the winter months, and to farmers them selves it is of no advantage. The majority of farmer do not calculate to raise over 300 bushels of wher annually. This may be set down as an average quantity. To thresh this amount, including the set ting up and taking down the machine, takes at least two days, with from four to six horses and ten hands Two of the horses and two hands, are usually foun with the machine. The hire of the other horses, to gether with the owners of them, two days, may b set down at \$3, pay of the other seven hands tw days at 75 cents per day, \$5,25, odd to this the us of the machine, at five cents per bushel, (the usut price) on 300 bushels, \$15, making \$23,25. I winow estimate the cost of threshing 300 bushels b hand. A common thresher will, during the winter months, thresh eight bushels per day. This, at fift cer.ts per day, the probable price of labor during th winter months, will be \$18,75. Leaving a balance of \$4,50 in favor of threshing by hand. A sti greater objection to them is, that it enables farmers t thresh their wheat all at once and send it to mar ket, thus filling the market beyond the demand and depressing the prices. Such has been the cas for the last few years, consequently the price of whet has been low and little demand for it.

Yours, &c. F. Greece, N. V., 1841.

MR. H. Colman-At your request I now give yo a description of Hibbard's Horse Power and Threshing Machine.

The horse power consists of a light wheel, usuall 4 feet in diameter, connected with a shaft 71 feet long or long enough to permit a horse to pass under it, hav ing an iron gudgeon in each end. The shaft is se up, varying from perpendicular to 20 degrees, to ac commodate the band running from the wheel to ththresher, which may be set higher or lower than the wheel, as the case may require. The wheal is neathe top end of the shaft. The gudgeon at the top end of the shaft, runs in a box at the junction of two braces made of light poles, and having their opposite ends, when the power is in operation, fastened with screws to the posts of the barn doors, or any other posts or timbers set up for the occasion. The lower gudgeon runs in a box in a small sill made fast to the ground. On the same shoft and 21 feet from the lower end, is placed a pully deeply grooved, 16 inches diameter in the bottom of the groove. Thirty five yards from the foot of the shaft there is placed a pully horizontally on an iron spindle placed in the ground, (a common iron bar usually answers the purpose,) braced at the top. The power is then put in operation

ciently tight to operate. For this purpose a rope 1½ annual as to satisfy him without his sucking the cow aches in diameter is ordinarily used. Any number entirely claim, so as to bring down the bag and pre f horses may be attached to this band, to draw in a ventitis caking. The cow is then let into her calf, which will greedly take the balance left for him round the pullies.

Attached to the thresher is a speed wheel 18 or 20 nehes in danneter, from which a belt is run on the ylinder pulley. A small grooved pully connects with the speed wheel and receives the band from the main wheel at the top of the shaft.

The cylinder is turned from 1500 to 2000 times in i minute, and with force sufficient to thresh a bushed of wheat in less than three minutes with one horse. The cylinder of the threshers used is about 24 inches diameter, and about two feet long.

This orachine costs from \$35 to \$40, and in operation and construction is very simple. There is no doubt but, with good attention, it will with one horse power weighing 1200 pounds, thresh 100 bushels of wheat in 10 hours.

I have attempted to give such a description of the horse power as that you may understand it. I have no doubt it is just the thing for the wheat growers of the west.

There is an account of the use of this machine in Hill's Monthly Visitor for June, 1841, and from my acquaintance with quite a number of the men who there certify. I have the fullest confidence in their statements. Yours respectfully,

S. C. LYFORD.

Meredith, N. H., April, 1842.

Manure for Potatoes.

Woolen rags are an excellent manure for potatoes. The rags are cut up in small pieces and put under the sets at planting; and the effect produced is wonderful. It is a long time since I planted any in this way, nor did I ever at the time make any particular observation as to the quantity produced; but this I can say, that they far exceeded those that were manured in the usual way. It might beighten the effect if the rags were dipped in, or saturated with ammoniscal gasliquor; at least it might be interesting to make the trial.—Garbaner's Chronicle for April 16th.

Culture of Potatoes.—The cultivation of potatoes being considered of grest importance, whether relating to increase of quantity or improvement of quality, I would submit a method of culture, which may be new, and which I have for some years found to succeed with a second early kind. Of the potatoes to be planted I destroy all the eyes except one or two with a hot iron. I set them whole, and at the distance between the rows of 2½ feet, and 12 or 14 inches apart. The produce has generally been 60 to 70 well formed potatoe; instead of 20 from those planted in the usual manner. Mine had the same management and quantity of manure generally used.

[Gardener's Chronicle for April 16th.

We have read the above with some little surprise. We cannot say that it may not be true, nor have we any objection to our friends boiling their seed, it they think it would do better.

> For the New Genesee Farmer, On Rearing Calves.

MR. Colman-Having seen occasionally a hint in regard to the rearing of calves, and also recently a call for some remarks on the subject, I offer the following argestions as the most economical and convenient, and consequently the best mode that I have adouted.

As soon as the cow has calved, she is milked clean and suffered to remain with her calf for the space of about 12 hours or to the next milking time, when she is again stripped ont clean and shut away from her calt until the next milking time. She is then partially milked, leaving enough for the calf, but not to

entirely clan, so as to bring down the bag and preventits caking. The cow is then let in to her calf, which will greedly take the balance left for him The cow is again removed as soon as she has supplied the wants of her calf, and so I continue morning and evening, partially to milk the cow before she is permitted to go to her calf, leaving him to do the stripping until he is 3 days old. He is then wenned from the cow entirely and fed with the new milk of the cow by hand, from one of the 'calf's pails,' and so I continue to feed him until he has learned to drink freely, probably at about a week old. I then take away a share of the cream from his milk, and give him a mixture of new and skimmed milk, say two quarts new and one quart skimmed milk, with a spoonful of oil meal or oil-cake ground, sprinkled into his milk, instead of boiled flaxseed. The oil is worth more for painting than for feeding cattle, I therefore let the painter or druggist have the oil and the call takes the cake. The quantity of new milk is now daily decreased and the quantity of skimmed milk and oil meal in daily increased, until at the expiration of another week, when his allowance becomes 3 to 4 quarts of skimmed milk and a halt pint of oil meal, which will make him look as slick as a mole. The milk is warmed a little and the oil meal sprinkled in, and the whole poured into a 'calf's trough' made for the purpose, which is a stick 3 feet long, 12 or 15 inches in diameter, split open, dug out and legs set in of the right length to bring the trough up to his chin, so that he may take his allowance standing in an erect and natural posture. I usually feed two in one trough and see that they are well matched as to performance at least,

My calf'a pails are old tin pails whose bottoms have failed, which I supply with a piece of thin soft board cut round, crowded in, and fastened with 5 or 6 small tacks.

If the above suggestions are worthy a place in your valuable paper, you are at liberty to insert them. E.

The subjoined is a very sensible article and worthy of all consideration as II.

From the New Genesee Farmer. On Novious Weeds.

When rank and a xious weeds usurp the soil, They cheat the husbandman of half his toil.

During an excursion of same sixty or seventy miles ast summer through a part of this county and as far no the eastern extremity of the county of Wayne, 1 was very much struck with the surprising inroads which foul weeds, of almost every species, are making in this new country of ours. It ought to be a startling fact to the farming community in general, that here in Western New York, where the track of the savage is scarcely obliterated, the Canada thistle, red root, white daisy, John's wort, yellow dock, mullen, and other kinds of noxious plants are, on some farms, almost entirely usurping the place which ought to be occupied by useful productions. Although my own immediate neighborhood is not so much infested, yet I plend guilty to some degree of negligence in this particular; and as my own mind, during this excursion, became thoroughly impressed with the magnisude of the evil. I wish to arouse the attention of oth ers to the ruinous consequences of further neglect.

It is a subject which intimately concerns all land owners. Land infested with these weeds will most rapidly depreciate in value. It is evident that when a meadow or grain field is overran with any of these pants, it not only requires a great sacrifice of labor to radicate them, but in most cases, if you go into any thorough and effectual process, you must entirely de-

* The above mode, by continuing the new milk and nd-ding the oil meal, wil make a fine piece of yeal. I have once adopted it, and it succeeded admirably.

range your farming plans, and probably for a season or so lose the use of the soil.

I have heard it estimated that the clearing of the original forest and preparation of the land for wheat cost only from \$10 to \$12 per aers. At how much less expense can a field be cleared of Canada thisdes, red root, or white daisy, when thoroughly besprinkled with them? Carefully estimated, the whole loss and expense, I am bold to say, will not fall far short of that when you see the last feeble stalk expire.

Let these considerations stir us up-and I would especially remind those who, from the newness of their farms or the care of former owners, have escaped this evil, that "an onneo of prevention is worth a nound of cure." It you chance to perceive, in passing to and fro through your field, a single specimen of the above named weeds, don't stop to view it as a curiosity, but attack it as you would a bear; tear it up roo; and branch-go back to the spot again and see that you have caused complete extermination, so that not a living vestige remains. Let me urge those who, by their own or the negligence of former owners, have pretty thrifty patches of some of these plants, not to delay even if it takes a little time and present labor. Your labor will be exceedingly well spent in seasonably arresting the progress of the evil. As our farms grow older we must expect some drawbacks. and one of these must consist in keeping them clean of foul weeds. The produce of our lands will never come to us in abundance, without pains-we cannot always expect to get along as when

"The earth is young, and yields kindly her fruits with little labor."

But I have spun out these remarks beyond what I intended. I will close by observing that it will be of but transient use for a few isolated farmers to attend to this subject. Unless the general attention of lend proprietors is awakened, little can be permanently done, where land so frequently changes owners.

There is now an act on our S atute Book making it lawful for the freeholders of any town in the state, to raise money to defray the expence of destroying the Canada thistle. I wish this enactment might extend to other noxious weeds, and be put into practical operation in the respective towns.

In the counties of Albany, Clinton, and some others, special petition was made to the Legislature, in answer to which a law was passed providing for the destruction of all noxious weeds at the exclusive expense of the owner on whose land they are found. How far this is put in force I will not pretend to say, but if we were all subject to such an enactment, it would unabutedly be for our ultimate interest.

I. B. SMITH.

Ogden, May 25th, 1842

Fatal Mects of Garget upon a Horse.

MR. EDITOR—I do not think it is sufficiently knawn that Garget is death to a horse. A neighbor of mine was in the habit of giving his horse small ears of corn as he passed his stall. Passing evening before last with some pieces of Garget in his hand, and not having any corn, he offered the horse a piece of the Garget, which it took, and died within twenty-four hours.

Cornish, May 20, 1842. W. W.

"Punctuality.—If you desire to enjoy life, avoid unpunctual people. They impede business and poison pleasure. Make it your own rule not only to be punctual, but a little before hand. Such a habit secures a composure which is essential to happiness. For want of it many people live in a constant fever and put all about them in a fever too."

"Sovereion Remedies.—For the gout, toast and water; hooping cough, ipecacuanha; bile, exercise; corns, easy shoes; blue devils, employment; rheumaism, new flannel and patience; toothache, extraction; debt, retrenchment; love, matrimony."



ROCHESTER, JULY, 1842.

Important Notice.

There is a large amount due us from Post Master and Agents in the Western States and elsewhere mostly in small sums it is true, but our whole resources depend on such small sums, and therefore we hope no one will delay sending on that eccount.

IF One word to our friends .- We have a large supply of back numbers of the current volume on hand, which ought to be in the hands of subscribers Will you not help us-would you not be doing your neighbors as well as ourselves a real kindness, by soli siderably improved, and bills of most of the states will answer for remittances. PUBLISHERS.

To Correspondents.

The article on E. Foot's valuable and highly improved Tight Air Stove, came too late for notice this month. The article on Onondaga Salt is necessarily postponed until our next number. The communica tion of M. R. P. on the bee-moth, shall receive due attention. The inquiry of R. respecting the destination of Farmera' Sons, is one of the most important that can be made, and shall have the attention which it deserves. We have to acknowledge a valuable communication from G. S. on the subject of Canada Thistles, which we very unwillingly defer, because received too late. Our respected friend S W. will we trust, have patience with us for this month. We ferwarded at once by his request the papers to Newport.

The NORTHERN LIGHT We receive very rarely ; but we know the admirable talent with which it is conducted, and cordially recommend it to our friends as one of the most useful and best monthly journals in the country.

J. V. K. of Little Britain, is advised to cut off the black excresences or diseased limbs of his plumb trees as fast as they appear and immediately burn them. If the condition of the tree is such that he cannot hope for a cure, he cannot remove and burn the diseased parts toe soon. His communication on Mildew on Gooseberries we shall avail ourselves of hereafter.

An article on the culture of asparagus in reply to a correspondent, is necessarily postponed.

We thank our triene T. T. from Le Roy, fer his valuable communication.

We appreciate the good will of an "Old Tutchman," but should prefer to receive him in his notive costume. As it is, be "cut-herode Herod."

Our friend the Vicar of B. Vi., remembers us kindly. God bless him! We shall not overlook his reasonable inquiries. Heaven send him a Cardinal's robe and cap, if he desires them, or any thing else good which he can ask for short of a heavenly crown. May that ceronation be long postponed. Is he the only friend we have left there?

To other friends and correspondents we send all kindly salutations. Though not named they are not forgotten : and though some of their fevore seem long deferred, they are none of them overlooked or neg lected. If our omnibus continues full, we must presently set up an extra.

We have to acknowledge this 25th June, a small basket of the Methven Strawberry from Mr. N. Dreper of this city. They are extraordinary. We have heard often of two bites to a cherry-here are three to a atrawberry.

We thank some friend for eopies of a Letter to Lore Ishburton on the Corn and Flour Trade with Eng and. Its views are highly important and must comnand attention.

We had been promised for this number by compe ent hands, a notice of Dr. Dana's valuable book, the Muck Manual, and of Alonzo Gray's book on Scienafie and Practical Agriculture, but are very sorry to be disappointed. We hope for them for our nex number, but alas! for promises for the enforcement a which there is no legal remedy.

We commend to persons interested, the advertise ment of John L. Whiting, Land Agent of Michigan We have no doubt that business committed to his charge will be conducted with the strictest fidelity.

Patronage and Postage.

A subscriber, who informs us that he joined with a neighbor in taking our 'valuable paper,' price 50 ets per your, informs us likewise, that he is so well satis fied with the publication that he has concluded to take it separately; and, instead of sending by the postmaster, taxes us 124 cents for the information. We are certainly obliged by his good will; but it is obvions how seen we should be enriched by such pat-

Postmasters are authorised to transmit the payment of inbscriptions to periodicals, free of charge to the publishers, and are generally kind enough to do it. Here we trust, we shall be excused for expressing our regret for the discouragement thrown by the Post Master General in the way of post masters acting as ngents. We deem it extremely impolitie and hardly inst. Take our own case. Publishing at as low a price as we do, we cannot afford to employ or send out special agents. Post masters have heretofore always been allowed to act as agents for us, and we cannot conceive in what way it can interfere with their duties. Now our humble sheet, with the postages incidental to it, contributes annually to the Post Office revenue a sum bardly less than three thousand dollars per year. Is it not, therefore, right and just, for the interest of the Department itself, that we should be indulged in this matter. We hope that the other publishers of periodicals in the country, will sec how much it concerns them to make suitable representations to the government on this subject,

Notice of Convention of Ploughmakers.

We regret to learn that the notice in our last of a Convention of Ploughmakers to be holden at Canandaigua, was regarded as designed or adapted to prejudice a case to be brought to trial before the Circuit Court of the United States, at its June term in Ontario county. No such design was entertained : nor. do we think, that the terms of the article warrant the inference. The notice was inserted at the request of the ploughmakers, who called the meeting and handed by them to the printer. We understand it as ex pressing their view of the ease, and their statement of what they confidently expected to proce. What could be proved, or what were the actual facts in the case, might be an entirely different matter; and of the evidence in the case we know nothing. Had a communication of the facts expected to be established on the other side been presented, we should as cheerfully have published it. In this case we had not even an opinion; and did actually reject a communication in reference to this matter where the facts expected to be proved were absolutely and without qualification asserted. One of the last things we should be willing to do, would be to interfere in any way whatever, to disturb the importial administration of justice between men end man. Allow us, as it seems to be necessa ry, to add to what we have before said, that we hold ourselves in no respect responsible for the opinions and

uless we directly and explicitly endorse them. As his subject is a matter in which the farmers are much nterested, we shall report the decision of the Court s soon as received. Our only desire is that the right ony prevnil; and this is always ultimately for the road of all.

Since the above was in type, we are informed that ne decision of the Court has been given against the laims of the heirs of Jethro Wood. Of the particdar grounds of the decision we are not apprised.

June 27th

New Agricultural Store .- Farming Implements.

We are much gratified to learn that B. F. Smith & Co. have opened a store in Syracuse, N. Y., for he supply of the best agricultural implements of every variety, which the New England or New York manfactories can furnish. If this establishment is well conducted, there can be no doubt that it will afford eminent advantages to the farmers of Western New York, of which we hope they will fully avail them.

We cannot advise farmers to be in a hurry to get every new tool or implement, which presents itself and promises to effect a great saving of labor ; for in many cases the promise is delusive; and the saving proves only an increase of labor, and no little expense. We advise them not to purchase too many tools, for the use of them will be troublesome, and the more they are multiplied the less care is likely to be taken of them. We advise farmers not to purchase any implements or machines, which promise to do half s dozen things by the same operation, for in this case they are generally complicated and liable to get out of order, and if out of order, not easily mended or repaired. Besides they seldom do many things well. We advise furmers likewise to remember that the best of all machines is the human hand, when guided by a sound judgment and a clear eye. But then we advise them to obtain all such implements as are necessary for the proper management of their business, and never to live by borrowing, which is generally the meanest of all ways of getting along, and makes a man a perfect nuisance to his neighborhood. We advise them to get the best tools and to keep them in the best order. We remind them that there may be a great saving in the kind of ploughs which they use, some doing the work far better than others, being handled with much more ease; and requiring perhaps not half the power of draft which some others require. We remind them that a good sowing machine may enable them to sow their grain much more evenly than they could otherwise do it, and with a great siving of seed. We remind them that a cutting machine of the best kind will enable them to save certainly a third of their bay; and their cattle, if well fed in this way, will be in better health and condition than when fed wholly upon long feed. We advise them by all means to have a good roller, a very rore and yet one of the most useful implements on a farm. for sinking the seed, for forcing the stones into the ground where there are stones, so that they mey be out of the way of the scythe, for crushing the clode as that the tilth may be made finer and for leaving the land in a clean and handsome condition. We advise, likewise, to a farmer's having a revolving herse-rake wherever his land admits of its use, as saving, when well managed, at least two thirds of the labor. So we might go on with further counsel, but this will do for a beginning. Whatever a farmer gets, let it be of the best quality. We do not mean that his plough should have either gilt or mahogany handles; but we would have it made of the best materials, in the neatest, strongest, and most substantial manner; and if it notions either of our correspondents or advertisers, should be painted and kept well painted, and slightly

ornamented, baying for example a nearly curved handle, instead of coarse straight ones, or otherwise made handsomer without any increase of expense, there is bardly a boor in the country so rude that he would not, let him say what he pleases, on this very account value it the more highly and use it the more carefully We were going to add what every man will say he knew well enough before, and what some grumblers will complain that they do not see why they should pay for it again; we were going to add, "have a place for every thing and every thing in its place," but we will not add it, but leave it to suggest itself to every reflecting man's own mind. He will then valne it the mere, as thruking it the fruit of his own wise cogitations. We will say, however, let it come from where it will, it is one of the best rules that was ever thought of.

Hatch's Sowing Machine.

The following letter was written to Mr Batcham by a friend in Ohio to whom he sent one of Hatch's Sowing Machines; and as the fall gowing season is at hand, many of our readers will find it interesting in connection with the advertisement on our last page We have not yet had an opportunity of personally Witnessing the opporation of this machine, but we learn that it is rapidly gaining fever among formers in this region, and quite a number have been sold of late. - Ed.

(The Straw Cutter mentioned by the same writer, in another column of this paper, is Golson's Patent, mannfactured by Joseph Hall of this city.)-Ed.

MR. BATEHAM-I have just finished using for this spring, the splended Sowing Machine which you forwarded me la t fall, and I must confess that it has ex ceeded all my expectations, and those of my neighbors who witnessed its operation. I went to the first field with my grass aced with a doubting heart, and when I looked at the machine and then at the diminutive size of the seed it was to sow, my faith was in no wise strengthened. But I out with my letter of instructions, made my calculations how much seed it would take to sow one bout, measured it out exactly, turned it into the hopper, mounted the chair and drove off. leaving my friends who came to witness the operation grinning like so many Cheshire cats. First bout my seed was out when within about two rods of the end. Regulated the screw, poured in the quantum suf. of seed, and at the end had about half pint left. Third bout,-started the regulating screw a very little, and it came out as even as you ever had your pie and cheese. I then turned into the hopper, from time to time, as became necessary, without measuring, having previously measured out the quantity of seed for the lot, and when I got through I had about one quart left. The sowing of the lot (6 acres) occupied about two hours.

The wind blew considerably, but I could not discover that it effected the seed, the hopper ranning so near the ground that the dropping seed was not dis turbed sufficiently to do the least injury. A boy that can drive a horse and otherwise possessed of ordinary judgment, can use it, and when properly regulated it connot sow wrong. I have tried it with oats with equal success; and wheat, flux seed, plaster, &c., can also be sown with it. It certainly is a very valuable machine, and ought to be in the possession of every farmer who has much work of the kind every year. J. W. SMITH.

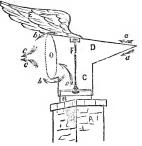
Knaggs Farm, Maumee City. O., 1842.

Espy's Conical Ventilator.

Mr. Espy, the gentleman who has, with much success, been delivering lectures through the country on the Philosophy of Storms, has recently invented a machine for the purpose of remedying the evil of smoby chimnies. We give a plate of it below. Where it ed and the ground be left in first rate order for wheat.

has been tried it is said to have been effectual. From the description, we should have strong confidence in its success. If effectual, Mr. Espy will be entitled to rank among the distinguished benefactors of mankind. as obviating one of the two great acknowledged evi a of this world-the one a smoky house, the other n scolding -- ah! but we won't say; we have not the heart to wound the feelings of any of our kind subscribers by awakening disagreeable associations.

We copy the plate and the description from that valuable publication, the American Mechanic, printed n New York. Rufus Porter, editor.



A sectional view of Mr. Espy's Invention for ventilating Ship-, Hospitals, Prisons, Mines, Cisterns, Vats, Saks, &c -also for producing a strong draft in Chimnics, flues of Steambonts, Locomotives, &c.

Description .- A, denotes the channey. B a short iron pipe secured upon the top of the chimney. a collar of sheet iron fitting loosely over the pipe B D, a hollow cone, also made of sheet iron, into which the collar C. enters. F., a vane, to keep the cone pointed to the wind. F., a perpendicular iron rod, on which the cope and collar revolve. a, a, b, b, c, c, and e, arrows showing the course of the current of air.

Now suppose the wind to blow in the direction of the strows a, a,-it will pass along the surface of the cone to its base, when it will converge as represented by arrows b, b, and c, c, and produce a vaccuum at O, the open end of the cone, thereby esusing sstrong current of air to rush up the chimney A, in the direction of the arrow c.

Scotch Yellow Turnips.

The proprietor of the Rochester Seed Store has im ported from Scotland, seeds of some of the finest varieties of Yellow Turnips; which on trial have been found to succeed well in this climate, and he confidently recommends them to his friends and customers os superior to the Woite English Turnips, being better adapted to o d or light soils, more nutritious, and of firmer texture (consequently keep longer). They are fine for the table as well as for stock.

Those who have delayed sowing Rata Bagas till too late, or have had them destroyed by the fly, will find the Yellow Turnips a good substitute. The folfowing kinds are the most valuable:

Large Yellow Aberdeen or Bullock, Yellow Oxheart, Yellow Globe, Dale's Hybrid, Hood's New Yellow. The Red Round is particularly recommended for light soils It is s white turnip with e red top.

M. B. B.

Canada Thistles.

This communication deserves particular attention. MR. HENRY COLMAN-An allusion appears to be

made in the May number of the New Genesec Far mer, to a conversation with you when you was in this place, some little time since, relative to the destruction of that pest, the Canada Thistle,

The way of doing it, which is both sure and certain and ettended with but little expense, would be profit ably expended in any land infested with any foul weeds or worn down by shellow ploughings. All the foul seeds in the ground would sprout and be destroy-

or almost any other crop; and if the ploughings could be made twelve inches deep, the whent would not be much hable to get winter killed. And if the same amount of green vegetation could be ploughed under that would be in the Thistle atches, the good effects dicreof would be lasting, as much so, or more, than a neavy coat of manure. In a visit to my brother Aaron, then hving in South Le Roy, in 1841, but now Pavilion, I noticed that the wheat on a part of his field was twic as large as on other parts. I inquired of him how it happened that there was such a difference in his wheat. Of snys he, that is where my old Thistle Bed was six years ago, that the wheat is so stout. I can feel the difference where the Thietles were the moment the plough strikes it; the land is more mellow, and the plough inclined to go deeper than in any other parts of the field. The way I took to destroy them, says he, I commenced ploughing them about the first of June, in the most careful and ther ough manner, taking special core that not a single thisde root should escape the plough. A month from that time I ploughed again in the same careful manner,-and in another month I ploughed again; the fourth month I ploughed it again, making four ploughings, not harrowing it at all, that it should be left in the same order at eaco time as the plough left it, excepting the lost time, when it was in high order for the sowing of wheat. Not a particle of any foul weed appeared upon it, and I got as fine a crop of wheat as I ever hed on any lands, and not a single perticle of a Thistic could be found among the wheat when I har cested it.

I have not the least doubt if any person troubled with Thistles, or any other foul weeds, will follow the method here laid down, in as thorough a manner as my brother did, they would be utterly and completely

Thus it may be seen that the entire destruction of the pest costs nothing; it is merely a superior method of preparing toe land for a crop of wheat, and that the extra expense will be found to be more than compensated by an extra crop of wheat and the finer tilth in which the land will be left, when the wheat is taken from it, over that managed in the common way.

I am respectfully Your friend &c. THOMAS TUFTS.

Le Ray, June 9th, 1842.

EDSON'S COLORING COMPOUNDS.

EDSON'S COLORING COMPOUNDS.

(Directions for using)
TO C LOR MADDER RD.

In each one pound of vaid r for every two pounds of yarn to each the madder in a trees to proper kette one of the colors, next morning put to two onnees of madder compound for every pound of madder which you have soaked. Then wet years are or eith and wring it out in clean water; afterwards put it in the day. Now place the kette over the fire, and bring it slowy to a seall up to t, which will take a light red s waated, and longer if a dark one, the co or depending upon the time it remains in the due to madder the color is unade, rince the cloth immediately in coldward and it will then be finished.

TO COLOR SCARLET RED.

Take soft water, ufficient to cover the cloth or yarn you.

Take soft water, ufficient to cover the cloth or yarn you wish to color, bring it nearly to a builting heat in a copper or by as kettle; then add one and a half ounces of cream of or by as kettle; then add one and a half ounces of cream of latta for every pound of cloth; now boil a minore or two, then add two nunes of powdered Lac, and there o nees of viously mixed in a glass or earther how.) boil five minutes, now wet the yard in warm water, and wring it, and put it in the dye, boil the whole near y as hour, take the cloth or yarn out and rinse it in clear cold water.

TO COLOR GREEN, two and a half

For every pound of yarn or clo, had two and a haif onness of Alum and one pound of Fustic Steep to get the strength, but not hoil, soak the cloth until it acquires a good ye low color; then throw out the chips, and add the Indigo compound showly, until you have the desired shade of green.

ye low color; then inrow out me emps, and and the mogo-compound showly, until you have the desired shade of green. TO COLOR PINK.

For every three pounds of yarn or cloth in three quarts of water, or enough to cover it, use one pint of the Pink com-pound. Bring the water con aiming the cloth nearly to a scalding heat, and add the compound un it the shade suits you

The ab ve recipes will be found invaluable to farmers' The ab verceipes will be found invaluance to targets wives, and may be relied on for pr theiring goo and fast pors. The Madder, Indies, and the many the first property of the Madder, Indies, and the many the first property of the many th

OATS.

Will the Editor please state in the next number of the Farmer, the usual quantity of oats sown on an acre by the common farmers in England and Ireland. and also the most suitable quantity for New England on ordinary or highly cultivated land. Any remarks upon the subject which the Editor may have time to make, would be read with interest by a subscriber.

The usual quantity of oats sown to an acre in this country is three bushels. The quantity sown in England is from faur to six bushels per nere. The English farmers are in the habit of sowing more seed to an acre than is done with us. Of the potato out, one of their heaviest onts, less seed is used than of others, because it has no awas, and a half bushel measure contains more outs in number than of other kinds. The cultivation of land in England is very much more careful and thorough than with us; this may be a reason for sowing more seed. The quantity of seed to be sown upon an acre of any grain deserves consideration, and especially experiment. One of the best farmers in Massachusetts is accustomed to sow three bushels of tye, and says ho finds an advintage in Joing it, whereas few farmers sow more than one bushel to the acre. Of spring wheat our farmers sow usually two bushels; of winter wheat one and a half. In sowing wheat in autumn, a difference in the quantity of seed is made by judicious farmers, as that which is sowed early has more opportunity to spread, or as it is termed, to tiller well, and consequently less seed is required. Where the land is rich and the cultivation good, we are strongly of an opinion that too little seed is generally sown. Where the grain is thin, the crop is more apt to suffer from drought. Oats require a moist and rather cold climate. We have known more than one hundred bushels upon an acre : and an average eron of 93 bushels to the acre, from a field of eight acres. The general average through the country is not over forty bushels. No attention is paid to the selection of seed with us; but abroad the largest outs are sometimes picked out for sowing. We have no doubt that more eare in this respect would be amply compensated. A careful selection of the earliest, fullest, heaviest and brightest plants in the field would presently give a farmer n erop much above ordinary. Of the two kinds cultivated among us, the common branching out and the Tartarian or horse-mane out, where the panieles hong n'l on one sale, the latter is thought to yield .he heaviest erop. An eminent farmer in New Hampshire, in whose judgment we have great reliance, prefers this kind, and his crops for years have averaged about sixty bushels per nere. Some persons allow the kinds to become mixed, but they do not ripen at the same time; and the common out gets into a condition to waste or shell out before the Tartarian becomes ready for harvest. Oats should be cut early; they are less liable to waste, and the straw is deemed better for the atork.

On Making Butter.

Mr. Colman-I am no farmer, but have, on looking over your paper, noticed a emmunication from Mr. Bement in the April number, upon the subject of making butter in winter, together with your remarks, and was much pleased with the importance which he and you attached to it. Butter is truly an important article, and there is nothing that comes upon the table about which people are more squeamish; hence the hest methods of making it at all seasons of the year are worthy of consideration. It is generally conceded that there is very little difficulty in making butter during the season of grass-the quality depending upon the skill and neatness of the maker; but how to make good sweet butter in winter, that is the question. Much de-

pen is upon the cow, the manner of keeping and feed-ter. It will keep good but a short time, and will soon

ing, but much more upon the management of the milk. The experiments of Mr. Bement are valuable, but I am quite certain from my own experience, or rather from the experience of my wife, which is the same thing. that equally good results may be attained at a much cheaper rate; by dispensing with the expense and inconvenience of double pans, and the trouble of scalding the milk, and substituting a more simple process. After trying various experiments, she has settled down upon the following simple plan.

In the first place, the greatest care is taken to have the milk things clean and sweet; the milk is strained into common tin pans immediately after coming from the cow, and set in a room warmed by a stove. It stands usually 30 hours, when it is skimmed, and the cream, with considerable of the milk, put into a stone rock in the same room. In 3 or 1 days enough is gathered for a churning; if it is not sour, the erock is set into a tub of warm water until it is sour. It is then out into the churn and converted into butter, usually in from 15 to 25 minutes. Following this method, our table has been supplied during all the past wint r with butter so fine that it has been much admired, and pronounced equal to June butter, excepting only the color, which is not so deep a yellow; we have never used carrots either for c loring or f cd.ng. There is no langer of a failure in churning; never, since this course has been pursued, has there been a single churning out by because it would not come. There has been no witch in the churn, and consequently no need of put ting in the heated horse shoe to drive her away, as I have known down ea t. I have never ascertained the exact quentity of butter made from a given quantity of milk, but having but one cow, have been very particular in weighing from week to week for three months. From the middle of November, (a few days before which time the cow calved,) we found an average of ten pounds per week. The cow is a half Durham, 10 years old, from a bull which was broug, t into this village some 12 years ago from the vicinity of Boston, said to belong to the family of the stock presented to Massachusetts by Admiral Coffin. She has been fed during the winter with a mess of wet shorts night and morning, with occasionally some potatoes; frequent salting; good hay, and a warm stable.

We find a decided advantage in skimming, to take up considerable of the milk with the cream, and let it go into the crock, and by frequently stirring it together I think, Mr. Editor, that I can fornish a satisfactory answer to the question put to you by your fair friend, in relation to the trouble which so often happens in churning. We have always had difficulty when the cream was sweet; but since adopting the above plan, no such thing has occurred.

Respectfully yours, SAML. H. ANDREWS,

Canandaigua, 1342.

Summer Beer.

To make the best flavored, cheapest, and most innocent beverage used, (save water,) have a strong cask painted, to make it impervious to air-commence by putting in (say for 19 gallons water,) I quart yeast, 5 pints molasses, a few drops oil of spruce-a cask for the aforementioned, should be of the capacity of fifteen gallons, to be without a bung, and to s'and on one head; in the other a hole to put in the ingredients-to be tapped about two inches from the lower head; when all is in, stop it tight, lay the cask down and violently agitate the mixture for a minute, then open the cock and a quantity of air will rush in, when it stops, shut the cock, and rock another short spell, open and air will again go in, but not so much; so operate as long as air will enter, then stand it up, and in the course of I few hours it will be fit for use. To accelerate action, it will be well the first time to put in a pail of hot wa- by drawing off the water.

be tart; then draw it off, if any is remaining, down to the cock, and put it into a vessel, and in time it will become vinegar. To make again, you have only to put in the water necessary, half a pint of molasses per gallon, and a few drops oil of spruce, and shake as before. Air must not be allowed to escape, for if it should the beer will be good for nothing.

w. w. Cornish, Man, 1812.

We give the above recipe, which has been kindly sent to us, with our plain advice to let it alone. There are few things worse for laboring men than small beer; for we have never known a case, where it was furnished liberally, that men did not, as Cobbett says in his emphatical way, "make swill tubs of their bellies." It is very much so with molasses and water, modified as it often is by a profusion of ginger. Men, when they get their mouths to the mug, never know when to take them away, and it goes down their throats like water in a shower down the spout. Coffee, chocolate, milk and water, or nature's pure moonshine from the crystal spring, is never swallowed with the same insatiate greediness. We believe, likewise, that few things sooner disorder the stomach and impair its tone than this habit of excessive drinking of small beer, molasses and water, &c., especially in hot weather. We know that success in attempting to persuade men to govern their appetites, is well nigh hopeless; but long observation and experience under hard labor has satisfied us, that if possible, it is best never to drink anything excepting at the regular meal times; but that especially it is best never to drink any thing in the forenoon; that water, pure water, is the most safe, nutritious, and invigorating of all liquids which can be taken into the stomach, and when drank in moderation may be used with perfect confidence; and that more than three meals a day is hurtful instead of beneficial. If one is dry, a little piece of cracker chewed will produce a seerction of the saliva and the thirst will be quenched; or if any thing more is needed, let it be a draft of clear water. We advise for laboring people, and we do not speak without some experience on the subject, breaktest from six to seven, dinner at twelve, and tea between five and six. If something more is needed, let it be a bowl of milk in the evening when all work is done, But all ten o'clock's and four o'clock's are pernicious.

We have known an excellent drink prepared on a farm where a hundred acres were annually under the scythe, and other things in proportion. It was thus; from a pint to a quart of fine out-meel was put in a two gallon jug, filled with water, and well skaken and kept in a cool place It would very soon be fit for use, and very soon become agreeable, and always prove a good quencher of thirst as well as safe and nutritious. It is quite unnecessary to say before trying it, that we should not like it. All of us are the creatures of habit and we have few tastes, even among the strongest, which are not acquired, and oftentimes in spite of original aversions and disgusts.

On Retting Hemp.

My DEAR SIR-In addition to my communication to you on the cultivation of hemp, I feel that I may render a service to the inexperienced cultivator in being more particular as to the proper season for retting. The importance of this has been mentioned to me by a gentleman in the business, on seeing my letter published in the April number of the New Genesce Farmer. This suggestion, with a wish certainly not to mislead the agricultural public, and to answer some inquiries made of me from abroad, has induced me to speak more particularly on the process of retting.

It is important that the retting should be finished in cold weather; if the hemp freezes as soon as drawn from the pond, so much the better. I have seen hemp ponds frozen several inches thick; this is broken up

The first of December, in our climate, may be considered a proper time for taking hemo from the water. and the average time required for retting is about six weeks. A sled drawn with a chain by one voke of even, is a convenient way of removing bemp from the pond to the upland to dry. It should be carefully laid on the ground in bundles to drain, and become stiff enough to set up in open bunches against the fence to dry, where it may stand without injury all winter You will understand that the pond must be an artificial one, that it may be drawn off at pleasure.

Perhaps you may be able to condense something from this that may be useful to some of your subscri-J. WILSON. hers. Yours as ever,

Decrie 14. Mass., 1812.

Comparison of English and American Farmers.

We publish the subjoined letter with much pleasure, and have only to regret that, owing to our absence, it did not appear in its proper place. Its references, however, are perfectly plain and intelligible. We can hardly persuade ourselves that Wm. Howit's account of an English farm dinner can be intended to give a picture of every day's life. If so, anchorite as we are, we must go for American sobriety, or what perhaps our friend would call abstinence, not to use any harder term. In one particular, however, there must be a great difference. The farmers whom Howitt describes, are what we should call the middling classes, the tenants of the farms or the managers. We have no such class. Our farmers, properly so called, are all laboring men: and we apprehend upon a comparison of the tables of the laboring men in England and Scotland with the tables of our farmers, the comparison would be strongly in favor of the latter. The farmers, whom Howitt describes, would here belong to what we should call gentlemen farmers, men who would as soon think of jumping overboard as jumping into a farmer's frock, and whose whole business is to command and direct the labors of others. In England this class of men. who are after all mere tenants or overseers, keep their hounds, their race horses and hunting horses, and indulge in the luxuries, if so they may be called, incident to such establishments, as much, though not as expensively, as the highest gentry in the kingdom. We have no such class among ourselves; and whether the general morals and general comfort would be increased by their introduction, it will be time enough to say, when it is likely to take place. At present we think there is little probability of it.

DEAR SIR-I coasider the letter of S. W. in your March number, so replete with errors, that I cannot let it pass unnoticed. I should have answered it in your last number, but I expected that Mr. Garbutt, to whose letter it was a reply, would have noticed it; for surely he cannot find any difficulty in sustaining the position which he advanced, on the superiority of the English climate for the general purposes of agriculture. Now in the first place, I cannot agree with S. W. that if Indian corn could be raised in England, it would better the condition of her "starving population." For I have observed in this country that when the season has been favorable for eorn, most other kinds of grain and root crops, and also pastures and meadows, have suffered. Granting corn to be a valuable crop, still it is not so valuable a crop that the farmer would wish to sacrifice all others for the sake of raising it. It is a well known fact, that the average of all kinds of grain grown in England is higher than here, and the quality of some, as oats and barley, is very superior; this I think may be fairly attributed to the climate, unless S. W, chooses to ascribe it to the superior industry of the English farmer over the "ease-loving farmers" of this country. Then there is the horse bean, which cannot be grown here, which I consider equal to corn for all

land is cultivated and harvested at les, expense than corn, and is an excellent preparatory crop for wheat Then look at the great extent of the root crops, and the immense advantage of the English a limate in not making it necessary to protect the turnips through winter. How is it possible, with our winters, to grow root crops extensively, when all have to be put safely away in cellars or pits?

One word to our friend M. B. B, who has given us an account of Mr. Sheffer's root crops to show that roots can be grown extensively in this country. Now 1 understood Mr. Garbutt in using the word "extensively," as applying it to the growth of roots in England. Mr. Sheffer has certainly done well, and deserves great credit, but should an English farmer, or any friend for him, boast of raising 6500 bushels of roots, he would assuredly get laughed at. But above all, look at the verdure of an English pasture, which gives a richness to the face of the country, the absence of which here gives to an Englishman, on first travelling through this country, an idea of barrenness and sterility. Howitt, in his work entitled " Rural Life of England" says " one of the great charms of the country, dependent on its dimate, is that rich and almost perpetual greenness, of which strangers always speak with admira-

S. W. asks what would become of our " case-loving farmers if they had to encounter the cold, sour, wet climate, &c., of England? would they not be reduced from bacon and corn bread, to turnips and pea soupfrom the delicious wheaten loaf and hot rolls, to out cakes and potato broth?" I cannot possibly tell what would become of our farmers, but I can tell how the English farmers fure under what S. W. considers such adverse circumstances. And I cannot do better than quote again from Wm. Howitt. After describing a substantial luncheon, he comes to the dinner. "The hour arrives; well here they all are; and here are the ladies all in full dress. Hands that have been handling prime stock, or rooting in the earth, or thrust into hayricks and corn heaps, are washed, and down they sit to such a dinner as might satisfy a crew of shipwrecked men. There are seldom any of your wishy washy soups, except it be very cold weather, and seldom more than two courses; but then they are courses! all of the meat kind seeningly on the table at once. Off go the covers, and what a perplexing, but unconsumable variety. Such pieces of roast beef, yeal and lamb; such hams, and turkies and geese; such game, and pies of pigeons or other things equally good, with vegctables of all kinds in season, peas, potatoes, cauliflowers, kidney beans, lettuces and whatever the season can produce. The most potent of ale and porter, the most chrystalline and cool water, are freely supplied, and wine for those that will; when those things have had ample respect paid to them, they vanish, and the table is covered with plum puddings and fruit tarts, cheesecakes, syllabubs, and all the knicknackery of whipt creams and jellies that female invention can produce, and then a dessert of equal profusion."

But really, Mr. Editor, I will not tantalize you and myself by enumerating all the good things, but if you have not read the work from which I have quoted so largely, do read it. The author then goes through tea, and finishes up with a substantial supper of hot game, fowls, &c. He then concludes the chapter by remarking, "such is a specimen of the festivities of what may be called the middle and substantial class of farmers; and the same thing holds, in degree, to the very lowest grade of them."

If this be a true picture, which I know it to be, you must agree with me that S. W. has paid a very poor compliment to the industry and intelligence of our American farmers, to suppose that with a climate sim ilar to England, they would be reduced to live on turfeeding purposes; it is grown to a great extent in Eng. | nips and pea soup, out cakes and potato broth. B. M. | With such data before us, we should be able to under-

For the New Geneses Farmer. Book-Farming.

MR. EDITOR-I have been an attentive reader of several agricultural papers for four or five years past, and trust I have been well paid in the knowledge gained; at any rate I have received from them much gratification. I think one great benefit to be derived from their perusal, is the exciting a spirit of enquiry.

I have been termed among my neighbors an experimental "Book Farmer." I have failed in many things, and succeeded in others, but in the most important of all, that is in making money. I have met with a total failure. I propose, therefore, to give to my brother Marmers my practice and experience in full, and my opinions rather generally, on a variety of subjects, al-Though somewhat disconnected, and yet such as I believe have an important bearing on the true interest of the farmer. If you deem them worthy of insertion in your valuable paper, I shall feel much gratified in having furnished them. My motto is, that every diseaso has a remedy; but we must first point out the disease, before we shall be likely to discover the remedy.

Would not agricultural papers benefit the farmers still more, if they would examine more fully the Statisties of the Country; and instead of urging us on to over-production in some things, tell us how we may raise enough (and no more than enough) to supply the market, and at the same time get the greatest returns for our labor. In my opinion, much more money would have been made by the farmers, if they had been timely informed of the amount of Pork in market kept over from lost year, and how much would be required this year to supply the demand, being myself convinced that if there had not been more than one half of the surplus produced this year, that the farmers would now have had more corn in the crib, and the one half would have put more money in their pockets, than the whole amount of the proceeds of their pork has done. Euch are my views of the effect that supply and demand has in establishing prices. On this branch of the subject and some others which I wish to discuss hereafter, there is a broad field left wholly uncultivated, that needs deep ploughing with a "strong team." I shall attempt only to clear off some of the underbrush, and leave the use of the subseil plough to some one who drives a "stronger team," as I am admonished that my stumbling ponies will not be able to do the work effectually.

The manufacturing, commercial and mercantile interests, have for a long time supported papers devoted exclusively to their interests. They have read and collected the statistics of the country and they better understand the law of supply and demand, and ability to pay, than the farmers. What would the manufacturers think, if the papers devoted to their interests were to stimulate them to produce or manufacture twice as much as was required for consumption, when the same article could not be exported except at a loss of 50 or 160 per cent, on the first cost?

I wish to cast no censure-my only object is to awaken a spirit of inquiry. The farmers in this country never have been awake to their interests. They have been content to let others do their thinking for them, and as long as they continue on in that course, they may expect the certain consequence-that,

"In every land, and on every soil,

Those who think, will govern those who toil." And if we surrender those inestimable privileges to others, on the account of our stupidity, how can we expect that our interests will be properly attended to?

We ought to pursue, in my judgment, a more definite system in all our operations. We ought to know the precise and relative cost of all our productions-in every state, on every degree of latitude and longitude, and according to the several specified modes of cultivation as practised by a majority of the American farmers. stand and adapt our production on the soil and climate, and turn our attention to the cultivation of that which was most profitable, and consequently keep up a more steady equilibrium of prices. As it is, I am satisfied that some few of our products yield us a fair compen-sation for our labor; and that there are others which might do so, which we do not now cultivate; but there are many more that do not yield us one half of the expense of cultivation at present prices, counting labor worth but fifty cents per diem. It is a mistake to suppose that one mode of cultivation or kind of production, will answer equally well for every section & our diversified soil and climate. What is profitable in one section is unprofitable in another.

I fully agree in every particular with your valuable correspondent, W. Garbutt, in what he has said, in his comparison of English and American agriculture; and I would apply the same reasoning to the different sections of our own country. It may be profitable or good economy to cultivate roots on a large scale for feeding worth from ten to twenty dollars per ton; but from my own practice and experience, I am convinced that it has cost me on my farm from fifty to one hundred per cent more to winter a creature on roots, than it has on hay.

Permit me here to remark, (with a desire not to appear censorious, as it certainly is contrary to my feelings,) that the agricultural papers, in recommending a system of cultivation, have not duly considered the natural differences of soil, climate, prices of labor, products, lands, &c.; but have too generally recommended the same system for every section of country. Or perhaps, they have supposed that the farmers themselves would take those things into consideration; but the farmers emitted to use their mental faculties, and consequently have failed in their first experiments, which is the cause of some of our best farmers entertaining strong prejudices against what they sneeringly term " Pook Farmers."

I was much pleased with the manner which you treated the subject of a threatened withdrawal of patronage, because you admitted an article in your paper that did not correspond with the views of some of your subscribers, on the subject of Protective Duties. You say, and say truly, that it is a matter of great national i opertance, and a question that concerns the farmers as much or more than any other class; and further, that you are willing to hear, and let your readers hear what may be said on both sides of that great question. I have read several times, and with great satisfaction, the article in your January number complained of. I consider it a spirited, well written article, and an honor to the head and heart of the writer as containing the sentiment- of a true American, an I perfectly free from the "advocacy of British inte ests." I ask your respected friends, if they have not seen much stronger articles in the Farmer in favor of protective duties than on the opposite side of the question, or the one signed S. W. the article objected to. Suppose that S. W. or myself should threaten to withdraw our patronage on that account, what would you think of us? would you not say that our cause was a bad one, if it would not bear discussion and investigation, or

" He that will not reason is a bigot, He that dare not is a slave.

But, Mr. Editor, you need not fear that S. W. will withdraw his pa ronage of 50 cents or 50 dollars, because a portion of your correspondents differ with him on that subject. I will vouch for him, although an entire stranger to me; yet 1 am eertain he does not fear free discussion.

Should you consider my desultory remarks worthy of a place in the Farmer, I propose giving at some fu-

foun 'ed on an assumed basis, of improved land at \$20 per acre, labor at 50 cents per day (by the year), and 6 per cent interest-on the capital invested, which is not very far f on the real standard. And trust that some one, if not all, of your correspondents, in the different sections of this glorious country, will concur with my views on this subject, and made it manifest by sending in their estimates in detail, with all the circumstances, whys and wherefores, for publication.

I S DUTTON.

Monroe, Michigan, 1812,

Reply to Zelia .- Defence of Farmer's Wives and Daughters.

Mae Epiron-I would not intrude upon your pstience so soon again, if I did not feel a little excited about some of Zel a's remarks, which, though good and full of interest, I consider as not applicable to incrmers, their wives and their daughters generally. commend the discretion and wisdom she is anxious to where laborers are more plenty, land dear, and tay enforce, but would guard against views which I con-

In the first place, she calls upon women to consider whether their influence goes to promote temperance, industry and their natural results, or the opposite. These considerations deserve the attention of every mother and daughter, every father and son. The mind and the body are so connected, that the occupation and condition of the one sensibly affects the other. When we labor with our hands, our minds almost unconsciously imbibe sentiments and feeling which the employment is adapted to inspire. When we open our hearts to the influence of piety and compassion, our hands are prompted to acts which may alleviate the sorrow and distress our eyes behold. For this reason, it is judicious and highly desirable for all persons to employ their minds and thoughts in a manner that may actuate their hands to perform their duty; and study to use physical strength in a manner that may import to the mind the satisfaction resulting from a ascful and virtuous life.

She farther adds, " that she believes it is generally admitted, that the extravagance that characterizes our age, the enormous expenditures of time and money on mere trickets, is the predominant cause of the embarrasements of our times. I suppose that politicians would differ on this point. Be that as it may, I really do not believe that the trinkets of the farmers, their wives or daughters, would amount to a vast aum. They generally understand too well that their money is bardly carned, and therefore prize it too highly to trifle it away. I should have supposed that Zelia intended her remarks for a certain class, to which it would be very applicable, if she had not said "no particular class is exempt from the charge." Now I contend that farmers, as a general thing, are exempt from extravagance in any thing, except the idea that they are too poor to lay out a great many dollars in enlarging, cultivating and ornamenting the minds or persons of their children, er of affording themselves the means of useful in truction. Not that I would advise or wish any one to live beyond their means; not so, but every one should study to make themselves useful, and use the means which God has given them to elevate and improve, to refine and polish, the mental powers and personal qualities, for which the means of improvement have been so amply provided. I abould be sorry to indulge any unjust prejudice, but the farmers are more exempt from this reproach of extravagance than the working classes of the cities and villages, as they live more secluded from the fashionable and vain, and consequently have less to tempt their love of show and splendor.

Again she says, "all have lived beyond their

ducing the several agricultural products of Michigan, dence," &c. I must think if Zelia were as well acquainted with the babits and management of farmers as I am, she would not have said all. That they have been to a degree involved in the general ruin and distress that pervades the country, I do not deny. But that it has been brought upon them through the mismanagement and extravagance of their wives and daughters, or even their own, I cannot admit. That the merchants and mechanics, the professional men, and the dropes, have long indulged in a vain and deceitful ostentation and extravagance, is evident. But the farmers, although their produce has been much of the time almost unmarketable, and when sold, sold at reduced prices and on credit, still by the persevering industry of themselves, their wives and their daughte s, and the economical management of their business offnits, they have braved the storm of broken banks and broken credit, broken fortunes and broken spirits; and by a nu form course of good policy and praiseworthy self-denial of the dainties and luxurics of life, they have saved their own and many other fortunes. How seldom do we hear of a farmers breaking or losing his farm, except through the gen erous endesyor to save an unfortunate friend or falling neighbor, or by some rash trade or speculation, wholly foreign from his proper pursuit as a larmer.

Again she says, " no person or people who consume mere than they produce, ean long escape being enslaved some way or other." As Zelia lias made no exceptions before, I conclude she did not intend any here. There may be some it is true, among the larmers, that are possessed of a false and vain ambition ; but I fancy they are few, compared with those who deem time and money expended in the cultivation of the mind and person, as almost wasted and improperly applied. It must be evident, that this paragraph cannot touch the farmers, who support the whole combined mass of all classes; the high and the low, the great and the small. If instead of confounding the industrious a d frugal wives and daughters of the land with the city automatons and village dolls, who view labor as degrading, and those who labor as slaves, if Zelia had made a wise distinction, and disected her remarks to those whose views are bound up in nurposes of ambition, or their lives consumed in a round of idle indulgences of feshionable discipution. and who subsist only on the plunder of the fruits of the industry of other men, instead of implicating the industrious and independent yeomanry, then I would beartily bave accorded in her views. But Zelia, this will never answer-we have come within an inch of politics-and shall be very likely to get a lecture, or an excommunication, either of which would bedreadful.

But to atone, Zelia, for the liberties I have taken, let me say, had you and I lived in ancient times, and I had happened to have been a priestess at the temple of Delphos, I would have consecrated in golden letters (with the precepts there) your remarks. "I am not desirous of curtailing the pleasures of life, or hearding up riches for their oan sake; but would recommend such true economy as will promote permanent and rational happiness; and enable us to do good where the opportunity presents itself. For any other purpose the acquisition of wealth is scarcely worth a

Let this ever be our motto; to combine in a censistent and reasonable manner, the useful with the refined and the ornamental. FLORA.

Ploughing in Vegetable Crops to Enrich the Land.

We publish to day a communication of "Turnipseed" (pray take some other name) on the subject of "Growing Wheat on Inverted Greensward;" to this we are glad to add a communication of Mr. Tufts of ture time, an estimate in detail of the first cost of pro- means, beyond the limits of common sense and pru- Le Roy, on the subject of destroying Canada This-

tics, and his brother's experiment of raising wheat on the same ground. To this we shall be easier and the experiment of Mr. Kelly in Haverhill, Mass., on raising a crop of tye after plotteling in a crop of charlock. This account was given to the public in the Transactions of the Essex Agricultural Society, and afterwards in Colman's First Report of the Agricul ture of Massachusetts. It will be found of the highest intportance. The whole of these communications bear upon the same point, the great value of vegeta ble matter turned under for the manure of the cusuing

We shall take occasion here to relate a case of our own, from which we ourselves, if no other person, derived some instruction. We had in our on play at the time two Englishmen, bred framers from their childhood, and skilled and competent in every branch of husbandry. We gave them an acre of land, a clover ley, and desired them to prepare for and cultivate it in turnips after their own fashion, engaging on our part to offer in no way either advice, interruption, or interference. A crop of clover had been taken of carly, and they then proceeded to plough and harrow the land thoroughly, and then to pick out every root and every particle of grass left, putting it into small piles, and burning it on the ground, giving the land as they termed it a thorough cleaning. The land wahighly manured afterwards, and the crop of turning was good and cultivated in drills in a very fine style; but we had no doubt at the time and have as little now, that it was a great error to rob the ground of all this vegetable refuse; that the crop was less than it would have been but for this shstraction; and the fertility of the land reduced for a length of time. The land was afterwards laid down to grass, and we were satisfied suffered much from this thorough cleaning.

On Growing Wheat on Inverted Sward.

Mr. Colman -Allow me to call your stiention to an article in the January number of your paper for this year, on page six, entitled "Three Experimen's in Wheat Growing," and signed by "Agricola," dated Greece, Monroe county, N. Y.

I am myself, like Agricola, a young farmer, and have likewise been a merchant, and have also a friend to advise me respecting my farming operations, to whom I showed the above article in your paper this morning, at the same time asking his advice about practicing upon the above experiments of Agricola.

He object d entirely to the manner and method of the second experiment, but finally said that it might possibly do to treat a clover lot after that manner, that it, (i. e. the clover) would be killed, and what wheat there was would be clean, but did not believe it would produce a good crop-that the seed could not be well eovered and would be liable to freeze ont-that the ground would be hard beneath the surface, and the grain would not be well rooted. He did not believe the third method would answer at all, as the natural grasses would never be killed, and would grow up in the spring and destroy what wheat did grow, which he believed would be but little.

He said that there were a great many things written for agricultural papers which would not bear ex amination, and be believed that this was one of them. That many theories were advanced rashly without being sufficiently experimented upon, and that he did not believe that either the second or third method was as good as the first, viz: old fashioned summer fallowing.

On page eight of same paper, in an editorial to readers and correspondents, "Agricola" is welcomed to your columns and a desire expressed to hear often

I presume that desire would not have been express ed, if the editor did not think well of his communi-

arion and believed what 'Agricola' stated was substantially true, and that the experiments had been acthally made.

The object of this communication is to ask if Mr. Colman has any personal knowledge of his correspondent, or whether if in Mr. Colman's knowledge the practice of summer fallowing has given way to 'Agricola's' system, in any of the numerous farming disricts which he has visited, and with what success. Perhaps this communication, if published, may draw out 'Agricola' once more, but I hope not angrily at the doubt thrown out about the results of his practice and experiments.

Respectfully your ob't ser'vt.

TURNIPSEED.

New Windsor, Orange Co., N. Y. Editorial remarks on the above.

In reply to the inquiries of 'Turnipseed' we have only to say that the authority of Agricola for the three experiments in wheat growing, descrives his entire confidence. We have known the system practiced upon by two of the best farmers in the whole counry, Earl Stimpson of Galway, Saraloga county, N. Y., and Elias Phinney of Lexington, Mass We bave known, likewise, other cases, where the same busbandry has been pursued. Success, however, must essentially depend upon the manner in which the ploughing is executed; the sward should be so neatly and completely inverted that all the growing vegetable matter may be covered. The decay of this vegetable matter will furnish nutriment for the growing

Another point, which is not generally understood, but is so well settled by the experience of indicious farmers, given without concert with each other and without knowledge of the opinions of each other, that it may be considered as ascertained, is that it is much better to plough in this vegetable matter after it has become perfectly ripe, decayed or dead, than in a green or succulent state. For spring grain there would of course be no difficulty in doing this; to wait for this in autumn might carry the sowing on too late in the season. We shall not enter into the philosophy of this, though good reasons may be given : the fact is all about which in the present case we are concerned; and that we doem established.

As to the objections of the sceptical friend of Turnipseed they do not surprise us. We admit that a great many things are written for and suggested in agricultural papers, which are not well established and which must rest upon the responsibility of those who offer them. Where they are clearly erroteous and would be likely to lead our friends into mistakes, we certainly should accompany them with a caution, Where we know them to be well founded and importent, we should, if we deemed it necessary, endorse them. Where they are doubtful or sltogether speculative, they must jess with our readers for just what they deem them worth; but they are surely not to be considered as our views because we insert them, nor in any case, unless we openly and directly approve them. An agricultural journal must be open to free discussion on all subjects connected with Lusbandry; and though we have a tolerable measure of confidence in our own judgment, we claim no infallibility, and will not reject statements or opinions of respectable correspondents because they may not quadrate with our own.

As to the other objections of his sceptical friend, which spring out of his supersbundant self-confidence. we hardly think they deserve a grave answer. There are a good many men in the world, who have never yet found out that the earth turns round and it is quite probable they never will. Let such men calculate their own almanses, and let us be thankful that the Trowbridge. There's Bank of Michigan.

I concur fully in the segments and opinions expressed in a down once of Mr. 1000/BHIMER, DOMBHIMER, DOWBHIMER, DOWBHI

cause of an improved or an improving agriculture, or any other cause of public or private improvement, is not left in their bands. Put such men into a canal boat under full way, and you could not make them acknowledge that the hoat moved; no, it is only the land running away from them, they know it because they see it.

Army Worm and Cut Worm.

(Extract of a letter duted Manmee City, June 21.) The army worm is making dreadful ravages in this county and in some other parts of the state, taking whole pieces of wheat and mowing grass* nearly clean as they go-or at least so much as to rum the crop. The cut worm has also done very much damage this spring, cutting off almost entire fields of corn. I saved mine by one of the three following operations. or by them all combined. First, by ploughing my bottom lands very early in the spring, say first of March: secondly, ploughing lightly and draging thoroughly just before planting; and thirdly, I scaked my seed in saltpetre water 24 hours before planting, What think you?

I was less fortunate in my garden : the cut worm took almost every thing, and finally I set out a large patch of cabbages and they took them clean. After a good rain I set out more, using as many of the common preventives as I could bear of, but all to no purpose; and the second day they had ruined about 200 plants. About 5 o'clock of that day I received your excellent paper at the office and by the time I reached home I found a remedy recommended; I immediately set about it, and put about e table spoonfull (of salt) around the stalk of every remaining plant, and in the morning, to my astoni-liment, not another plant had been touched, neither has one heen injured since. So much for being a subscriber to the New Genesee Farmer. When will all my brother farmers learn wisdom at so chian a rate.

J. W. SMITH.

We give the above from a valued correspondent, not presuming to endorse it with much confidence, after the trial of a single night. A table spoonful of salt, applied directly to a plant in this way, is quite as likely to kill the plant as the worm. About as much as is recommended to be applied to a pigeon's tail in attempting to catch them, would certainly be much safer. Salt intermixed with the manure or laid near, but not in contact with the plants, may have the desired effect, but on this subject let us have experiments — Γd .

'They only eat herds grass-they do not touch clover

Non-Resident Lands in Michigan.

THE undersigned respectfully amounces to the public, that he has opened an Office in this city for the specific It that be has opened an Office in this city for the specific object of acting as general Agent for the payment of Taxes on non-resident Lands, now, or hereafter to 'econic due, in any of the Counties of this State and he will visit himself, or by a trosty person, each of the Counties, to obtain all necessary information upon the subject.

Persons wishing taxes paid in any of the Counties in Michigan, and ferwardington the undersigned the necessary amount of fun a free of postage, together with an accertal object in their lands, and year last great that their inter-interior that their interior of the counties in the counties of the counties in the counties of th

amount of fun's free of postage, together with an accurate description of their lands, may rest assured that their inter-

sess shall be struptubely attend d to.

His charges will at all times be reasonable, and proportioned to the services rendered.

The undersigned will endeavor to make baself thorough-

The undersigned will endeavor to make must account ye acquainted with the varior Lands in every part of the state that he may be enabled to give indimation to all enquiriers; an 'li desiried, will undertake, he sale of the stime. He begs leave must respectfully to effer as to character, the state of the respectfully to effer as to character, the sale of the indees give given, to the anand capacit to redeem the pledges dove given, to the a rerlificate

neved rerificates.

Detroit. March 4, 1840. Fetroit, March 5, 1840.

I think such an office as is projected by Dr. J. L. Whiting highly necessary for the convenience of the community, and that he is exceedingly well quistified by long residence in Wichigan, nucle knowledge o'the commy, strict integrity, a deoretect business habits, if the duties of the project Agency.

Free TBARKOT Michigan.

Free TBARKOT Michigan.

Sayings and Doings, No. 1 .- Wintering Sheep.

MR. EDITOR-It was a saying, it is said, of the notorious Sam Patch, "that some things could be done as well as others" His last fatal leap from the falls of your beautiful city, tells us that the maxim is true in part only. He had already, by his famous leaps, sufficiently immortalised himself. They were considered hazardous experiments-being repeated, they aded in a sacrifice of life.

Thus are we reminded, that, though many things may be accomplished, they should never be attempted -and that we should always avoid all rash and hazardons experiments. I do not wish to be understood as being hostile to all 'experimenting and improvement,' nor do I wish to be forever plooding and digging after aomething new. Well would it be for us all, if we would exercise a little cantion and ti undity, and were less during and adventurous. So much for an introduction.

At the commencement of the winter of '41, fearing that I had not sufficient feed provided to keep all my stock in good condition through the winter, I was forced apon an untried experiment, -of keeping my flocks of slicep on oats and straw. I am aware that sheep had been kept on grain and atraw through a part of the winter, with success; still I was apprehensive of cvil in feeding on grain and atraw exclu sively, through the entire winter-as they were cwee, of mature age, and with lamb.

I gave to a flock of 105, one bushel of clean or threshed onts per day, and what wheat straw they needed-fed in boxes. (For description and diagram

sec May No. of the Cultivator.)

And now need I say, Mr. Editor, that when a boy I was shopherd, a young man, still a shopherd, for I fed my flocks! With an experience of 12 or 15 years in sheep husbandry, I am prepared to speak knowingly, (excluding all boasting) that I never knew a flock that were wintered on hay, that were finer in appearance and condition. The sheep, of course, were protected, their appents at all times was good, devouring their food with gree liness-consuming all, and using boxes, wasting none-and in candor, there was no appearance of sickness or disease among them, and their progeny were strong and thrifty.

And now let the credalous and unbelieving follow me a little farther, while I prove, I trow to their sat isfaction, that sheep may be wintered more cheaply on grain and straw, than they can be on hay.

In my estimate of the expense of wintering a flock of 100 sheep, of mature age, I deem 12 tons of good hav bardly sufficient, if fed as they should be; however, taking it for granted that it is crough, in few words, the account stan is thus:

\$72.00 12 tons of hav, at \$6 per ton,

I fed to the flock in question, (perhaps I should not a not to say they were high grade Saxons) 105, one bushel of clean or threshed onts per day-150 daysthe outs were worth two shillings per bushel and no

\$37,50 159 bushes of oats at 25 cents, 15 loads of sraw, 15,00 \$52,50

We find, therefore, the expense of feeding onts to be \$52.50, and a swing of \$19.50,-a small item it is true, but worth booking after in these times.

I followed up my experiment of '41, and kept the past winter a flock of 75 of the same description of sheep, and succeeded equato my expectations. Instend of giving them outs e-clusively, I gave an equal quantity of bran, and again and a difference quite as great as before.

75 bushels of oats at 34 cents, \$25,50 do bran at 6 cents, 4.59 15 londs of straw.

\$45,00 Peeding hay in the same quantity and proportion as before, we should have used

463.00 9 tons, at \$7 per to 5 Making a d flerence of MIS.09

The average price of outs this winter in Tompkins county, is 34 cents, and hay has sold abundantly for \$7 per ton. Another small item, you perceive, Mr. Editor, and if economy be the watch word of every farmer, then let us look to these things, and disregard then not.

Vonis, &c. C. M.

Ludlowrille, Man, 1842.

The above communication we consider well deserving the attention of farmers. Feeding upon hay exclusively must be considered, in respect to almost all animals, as the most expensive of all feed. A large nortion of the stock in Great Britain we suppose is kept upon straw and turnips, and much of it latted upon the same feed. It were very much to be desired that our farmers should raise some succulent feed for their stock, to mix, during our long winters, with their dry feed. On the ground of comomy, as well as regard to the health of their animals, this may be strongly urged upon them. We have made repeated experiments in feeding horses and oxen upon cut sirnw and meal, and have found it a great saving, certainly a third of the expense, over the mode of feeding them with bay. We shall subjoin to Mr Morell's account, a statement of Mr. Bard on the same subeet, published in the Memoirs of the New York State Agricultural Society, vol. 11, which is confirmatory of the results of the experiment detailed above. Letter from W. Bard, Esq., on Wintering

Sheen on Cut Straw and Meal.

My DEAR SIR-Though late to do so, I will now answer the inquiries you make relative to the manner n which I fed my sheep last winter. I was fearful of wanting bay before spring, and determined to by the experiment of feeding a flock of one hundred wethers on cut straw and Indian meal. I began when they were first put up for the winter, and continued one alon of feeding till they were turned out in the spring I a low six quarts of straw and half a on pasture. part of Indian meal, mixed with water, to each sheep per day; it was fed at three times. Now and then, hey hal an armful of hay thrown to them, perhaps 210 wt. in the course of the winter. I lost more of them. When turned to pasture they were in good health, and apparently as active and strong as my other sheep. They sheared about three pounds of other sheep. wool per head. Their ballies were not swilled out tike the bellies of my other sheep which had hay and water; they had a gauntness I did not like. Whether this was owing to the quality of the food, to their not being allowed enough of it, or to their not getsing through the winter any water, excepting the lattle that maxed the straw and meal, I can not tell.

I have somewhat altered my plan of feeding this winter. I feed all my sheep ound once a day, in the morning, with hay and give them meal and straw in the middle of the day and at night, allowing them two thirds the quantity of meal and straw per day which I allowed them last winter. I consider this higher fredmy, and the mixing long and short feed may be an advantage. I shall be better able to say in the spring which I like best; at present my sheep look very well; they are fond of the meal and straw. One man tends 420, and cuts the straw for them.

I remain, with great respect, Your obedient servant,

WM. BARD. To G. W. Featherstonhaugh.

Winter Farm Management.

FRIEND BATEHAM-Agreeably to your request and my promise, I herewith send you a few facts in relation to that subject of subjects, Agriculture. And I must here premise that in all my life I have written but three articles for publication, and that last year was the commencement of my farming operations I was necessarily absent much of the season, consequently, as you will perceive, I am rather green in improvements of the age; it has cut all my corn stalks

both departments of the above named business. I make no pretensions to agricultural knowledge, except what I have learned from my numerous agricultural works and a few months observation, and as the result of which allow me to state a few facts, and first in relation to the mannet in which I have wintered my Etuck.

This consists of twenty-six hend of cattle, principally full blooded and grade Durhams, and twelve horses, nearly all thorough bred. Four of the horses have been worked and kept at hay and grain all the time, and two others part of the winter, the remainder of the entire stock have been securely tied up during the night under good sheds, and regularly fed twice a day; in strong plank mangers, with as much corn stalks, cut up at the roots, as they could cat; on which, after being cut up in a cutting box about one nch long and properly wet, has been just corn and cob meal, nicely incorporated with it, at the rate of four quarts to each animal da ly, or about two quarts of Indan meal.

Perhaps some one will say that that amount of meal with plenty of good hay, would have answered just as well, and saved all the time and trouble of cutting and preparing the food; but hold on friend, we'll make a " pint" there. Hay is worth here fourteen dollars per ton. Now according to the usual estimato in such cases, my stock would have consumed about fifty tons of hay, amounting to, at that price, seven hundred dollars. My corn stalks were out from fourteen acres of corn ground, when the corn was newly glazed, all sound and in good condition. The expense of carting the stalks to my barn I consider more than taid, in the advantage and pleasure of tilling the crop the following year, when compared with the slovenly manner so often adopted in Ohio, in having a corn swamp in the field to clog the plough, conuse the team, and after the corn is ready to plough and hoe, at least two boys ought to follow the plough to act as resurrectionists, and to bind up the broken backs of the young corn.

But we will say corn stalks from 14 acres, at \$5 per acre,

70,00

12,50

Five months, or 150 days feeding 32 here', 4 quarts per day each, corn and cob meal 600 bushels; corn worth here 25 cents, 120,00 corn and cob meal say 20 cents,

Extra expense between cutting stalks and foddering hay 20 shillings per month for 5 months or 150 days,

Making the expense of wintering my stock on stalks and meal. \$202,50

Which, when taken from the estimate shove

of \$700, leaves the snug sum of Again, during the fore part of March I hal a job of work which I wanted done with dispatch, and no time scemed to be left for cutting stalks, and I told my foreman to give my stock their usual quantity of meal with as much good hay as they would eat. This lasted about a week or ten days, and at the end of the time I was astonished when told by the wife of my foreman that the milch cows had decreased over one half in their milk. We immediately returned to the usual feed and with it returned the usual quanty of milk.

Again-a very important consideration, to me at lesst, is that my stock are all fat; many of them good beef; and I don't believe that with all the good hay they could eat, even with the above quantity of meal per day, they would have been in as good condition. Several of my caws, which will calve in from four to six weeks, now give from six to eight quarts of milk daily. The beautiful patent cutting box which you sent me last fall, I consider one of the greatest

butts and all, together with much other stuff, and bas | that this is the bast time to saw grass seed, -clover never cost me a shelling for repairs. A man can, in one hour, cut 40 bushels with it; but this senson I de sign getting a portable horse power, which, when attacked to it, can cut up a small 'haymow' of corn stalks in a short time. And now friend, have I settled that " pint" - \$590 saved in hay -- fat cattle, plenty of milk, lots of butter to sell every week at Is. 6d. to 2s. per lb., while it is scarce, and any quantity of manure to return to that land which my neighbors told me I would rain by taking off that cone brake, and fut teams to draw it. I had designed mentioning other subjects, but as this has been extended beyond its designed limits, I must postpone their consideration until some future tim '.

I remain very respecifully yours, JNO. W. SMITH.

Knagg's Farm, Maumee City, 1812.

The subjoined article from the Farmer's Gazette, published at New Haven, is entitled to particular attention as from one of the most intelligent friends of Agricultural Improvement in the state of Connecticut. upon whose carefulness and experimenting and reporting his experiments, entire reliance may be placed.—Ed.

USE OF PLASTER.

Mr. Storer-In answer to the inquiry of your subscrib r from Cheshire, as to the best time to sow Plaster of Paris, I will give the result of my observa-tion and experience, and detail the mode and the time of its application, without in every instance stopping to assign the reasons, since that would render my communication of an unreadable length. By the way, the inquiry in its form, is as pertinent as it would be to ask, "when is the hest time for a man to snecze ! as if a man might snecze but once a year.

A vague impression has prevailed that this article is of little value as a manure near the sea shore; yet no detailed experiments have been tried which at all favor that idea. On the contrary, when they have been earcfulty made, results directly the reverse have been

obtained.

The truth is, as suggested in the report of the Executive Committee of the Agricultural Society pub-lished in your paper last fall, and, as stated in the "Transactions of the Society for promoting Agricul ture in Connection," referred to by you in your last number, too little attention is paid to the manner in which plaster is ground.

All the ground plaster I have been able to find in this city is brought in casks from Maine, and is little finer than sand. In that condition it is of trifling

Plaster will in time be dissolved in some two thousand times its weight of water; but if in that state in what time, if ever, it will receive the requisite quantity of water, in such condition and at such temperature as will dissolve it, I leave it to your readers to conjec-One thing is certain, that it is of no value unture. less dissolved, since it is supposed that its utility arises in a great measure from its uniting with and absorption of ammonia from snow and rain. is evident it can not do while it remains in the form of sand. If however the article is perfectly floured-is ground so fine that it bas a rich oily feeling and no grit can be perceived between the fingers, it is perfeetly obvious to any one who will observe and reflect, that it is far better adapted for immediate and powerful effect. Not until plaater thus ground is proved by actual and careful experiment to be of no value on the sea coast, shall I at all doubt that the opinion which now prevails arises from causes here pointed out.

To me this is the more obvious from an examination of the extent of this opinion. Around our city, and so far in the interior as ground plaster is carried from here, this belief exists. Twenty miles northward, where the article is obtained fr in Moare's Wal's in Berlin, in its most perfect condition for use, it is con sidered indispensable. So also in the western and north-western portions of the county, where it is pro-cured from Derby, and is said to be well ground, it is used in very considerable quantities, and with evident benefit.

Plaster may be sown to advantage on meadows in the fall, where it is not liable to be washed away. It then combines with the ammonia in the snows and abundant rains of winter and spring. If not sown in the fall or winter, it is well to sow it upon a light snow if possible in the spring Permit me also to remark,

for instance, -on grain lands sown in the fall previ ous, when from any enganistance it is not deemed expedient to sow the grass seed with the gram in the

On the ground sown with grass seed, it is imporcant that the young plants should receive the benefit of its application as early as may be in the spring.

Many persons have tried plaster on pasture grounds, and have found as they think, no inlyantage from its use; and why? They sow a part of a lot on which caulo run at large, expecting of course the feed on the part thus sown to be much tresher and fuller through the season; but as they in fact find the herbage shorter and apparently less thrifty, they very naturally infer that the plaster does no good. More careful at tention would convince them that there is more in this matter than they dream of. The cattle soon as certain the part on which the plaster was sown, on ac count of the superior sweetness and succulence of the beibage, and are found feeding continually upon it This I have seen beautifully illustrated on my own faint, by sowing in different years different lots out of a range in which my stock was pastured. The cattle always made their head quarters in the lot which had received the plaster, and kept the feed short in that while it was abundant in the others.

On pastures it is also well to sow early, because of the more frequent rains of the spring. Some farmers, however, whose pastures are abandant in the spring, and early summer, reserve their plaster until near the close of summer, in order to induce a fresh growth for fall feed. Many also, who have tried sowing enrly in the spring, and also in the fall, think that they derive more advantage in that way, than from sowing

an equal quantity at one time.

Seed corn should be soaked in a solution of saltpetre and rolled in plaster. As soon as it is fully up, the corn should have a careful hoeing, and about a teaspounful of plaster to each hill, or about one bushel to the acre. It should be scattered around the corn as much as is convenient in putting it on. If sown broadenst, the immediate effect is less, but the final result is about the same.

Potatocs should either be wet and rolled in plaster, or a small quentity should be thrown into the bill upon the seed before covering. Here I can not but beg of our farmers not to expose their seed potatoes to the nys of the sun, even for a single hour, since, unless the land be moist or the season prove exceedingly wet, the crop may be entirely ruined by so doing, and will under any circumstances be greatly retaided and leasened. Pointnes are benefited by larger quantities than are requisite for corn, and the application to them after hocing should be liberal. From my own experience, and that of my neighbors, I consider plaster indispensable for this crop.

The farmers of this county are yet to learn the sccret of raising potatoes, if, as I am led to believe, the average crop is less than two bundred bushels. Five hundred businels have often been obtained from the acre in other parts of our state; and w y not in this county? Some of our best land ought to produce as much as any other.

I have never perceived any beneficial effects from the direct application of plaster to rie, oats, or wheat, although those crops have been exceedingly fine on land which had previously been improved by the liberal use of plaster.

Turnep seed may with adventage oc mingled with plaster at the rate of a bushel of plaster to the acre, and be sown breadenst in the field. The cree will be greatly benefited, and the seed casily and evenly sown due care is exercised.

Plaster may also be used with great benefit on buckwheat. The seed should be prepared as seed corn. and plaster should be sown broadcast upon the young

plants as they appear.

From a series of experiments in my garden last sesson, with plaster saturated with urine, I am satisfied that a great accession of the most powerful ninnore may be made to the farmer's stock, by strewing plus er in stables and elsewhere, so as to absorb all the uring. In this way, if his manure when thrown from his stable is protected from the rain, even by a shed only, he may obtain a great amount, little if any infe rior to the boosted poudrette which sells at two dollars the barrel.

I wish it to be distinctly understood, that when I recommend Plaster of Paris, and speak of its effects. I refer only to that which is ground as fine as the finest flour. No other, as I view it, is worth the trouble of putting on to the land.
CHARLES ROBINSON,

New Hazen, March 23d, 1842

White Weed, or Ox-Eyed Paisy.

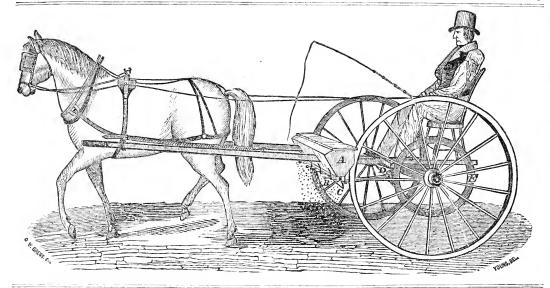
Mr. Entror-Will you or some of your correspondents have the goodness to inform me of the best method of exterminating white weed from fields and pasture A Young Farmer.

We know no better way than to cultivate the land a year or two, and then lay it down with clean seed. In a barn yard where this weed is mixed with the hay that is used, the manure will of course be filled with the seed; or where manure is purchased from city stables, as in the neighborhood of Boston for example, where this weed abounds, this manure is undoubtedly in many cases surcharged with the seed. If the land is cultivated with corn for example, and kept thoroughly clean, and the ensuing year sowed with grain, without manure, and laid down as we observed above with clean seed, it will be mainly extirpated; but if any appears among the grass, we know no other way than to root it out thoroughly as fast as it appears by hand or hee. Some farmers do not object to it as hay. Cattle and horses will cat some portion of it when cut carly; but its free growth very much diminishes the crop of hay; and putting before them the best mixture you can find of herds-grass, red-t-p and clover, and an equal quantity of white weed in the best cured state, and we think they, brutes as they are, will have no difficulty in making a choice. We in such cases, if left to us, should be very apt to follow our nose.

Swiss Bulls and Cows.

The Swiss Cows have been much celebrated for their milking quarities, and a friend of ours, who has resided in Switzerland, has spoken of them in the most extravagant terms as exceeding any thing known. We concluded that he had never stood by the pail and that his glasses were of the very highest magnifying power. Another friend of ours, from these representations, was induced to write to Fellenberg, at the celebrated school at Hofwyl, in order to procure some of this stock. The difficulty of procuring and sending the animals at that time, prevented the success of the application. From Fellenberg's letter, which was at one time in our possession, we inferred that the statements commonly ande of their yield, were not a little exaggerated; and the product of the cows, though very large, was not unsurpassed. If we understood the measures, their average yield in the best of tho season, was about sixteen quarts per day, and from seven to eight quarts through the year. Tellenberg seemed to have no disposition to exagerate their good qualities. The breeders in England will, beyond a doubt, bring them to a fair trial, and determine the aucetion of their superiority.

" Swiss Bulls .- We are authorised to make known . that four first rate two year old Swiss bulls, purchased for Sir Francis Mackenzie by Professor Agassiz, of Neufchatel, and which, after a scarch of many mouths by the best judges, were selected without regard to nev limitation of price, as the very best all Switzerland could produce, are now on their way down the Riving for London, where Sir F, has desired that all amatems may have an opportunity of seeing them. Two of them are destined for Scotland; the other two Sir F. wishes to dispose of in England, at whatever may be deemed a fair price, even should be not be remunerated for his expenses and their cost, as he feels certain from what he has often seen in Switzerland of the beauty of their two breeds of cuttle, combining great milking with fattening qualities-a thing so very desirable -that their blood could I e crossed most advantageously to the improvement of our short-horns and other breeds. The best proof of their milking quality is, that no other cow is kept in Lombardy at the Parmesan cheese making daries-and their shape will be seen by all good judges to show good fattening qualities. They will leave Basle about the 15th of May by steam, and may be expected in Landon about the 20th. Mr. P. Hanbury, letter, 15 Albany, will give information as to where they can be seen, or at 60, Lombard-street. They can remain in London but a very short time."—Chateau de Talhouet, May Cih, 1842.



HATCH'S SOWING MACHINE.

Having disposed of quite a number of these innchines during the past season, they are now becoming extensively known, and the demand for them is rapidly increasing; the inventor has therefore increased his facilities for manufacturing, and is now prepared to furnish innehmes to order, at chort notice. Every farmer is aware that sowing of grain by liand is one of the most lab grous and difficult opperations of his profession, and one which but lew men can perform cor-This machine will sow all kinds of grain, grass-eed and plaster, at any desired rate, from four q intis to four bushels per nere; and a man or smart boy, with a horse, will sow 25 neres per day. Besides the saving of time and labor, the product of the crop istin rens d by the perfect evenness with which it de-posites the seed. The machines are made in the best manner and warranted-price \$40.

It should here be observed that two or three of the machines first sold in this region were somewhat de factive, and a few undividuals may in consequence have been prejudiced against the invention. Others have compained that the machines would not sow damp plaster, but the inventor assures the public that this, and all other objections, are now obviated, as he will convince those who will coply to him.

State and County Rights will be sold on very favorable terms to any enterorising mechanics. Any in-fringements will be strictly uttended to. All letters must be post paid. Address

JULIUS HATCH, Rochester, N Y. Instead of publishing the numerous and highly respectable certificates and recommendations which might be obtained, the inventor respectfully solicits farmers to call on any of the tollowing well known

gentlemen who possess the machines. Rawson Harmin, jr., Sylvester Harmon, Elisha Harmin, Henry Rogers, Damel Rogers, Isaac Cox,

Whentland. T H. Newbold, Caledonia. lease Lacy, Chile. Marvin Sarth, Mendon. 11 Fellows, Samuel Miller, Penfield. John Moxen, Ass Rowe, Greece, Chester Scott, Elba, Alva S. Hoyt, Butavia. Jarvis Adams, Pittsford. Jacob Clapp Rush. Arron Briks, Riga, H. Morrison, Parma. David Brooks, Avon. Wm. W. Gorham, Canandaigue. P. L. Brucsteel, Victor. J. W. Snith, Mannee City, Ohio. John Johnston, Florence, Mich, T. C. Legnte, Galena, Ill.

J. M. Sherwood, Auburn.

cheerfully sinte that from an intimate acquaintance of the year past, I believe him to be a man of honor and integrity; and having repeatedly seen his machine in opperation, I do not hesitate to prenounce it the best muchine in use for the purpose. I have also conversed with several farmers who isve purchased and used them, and they express the highest satisfaction

M B. BATEHAM. Ruchester Seed Store, Jane, 1842.

HUSSEY'S REAPING MACHINE.

Has ing badf equent communications from Western farm-line in Roberts of the model of the Mestern farm-in Roberts er for \$120,1 in which can be had for that price, by two now in Roberts er, which can be had for that price, by calling on East ever Watts & Co. Orders for others at the same price will be only no acct.

THOMAS R. HUSSEY.

Acres, N. Y. June 1s12.

ROAD OR DIRT SCRAPERS

Med, \$5. Sc apers without wooding, \$2.50. June, \$42. A. J. LANGWORTHY,

Ruta Baga and Turnip Seed.

A NEW supply of genuine imported purple top Ruta Baga Sech,—also a full assortment of English and Scotch Turmp Seeds, for sale at the Rochester Seed Store

MHITE DUTCH (LOVER SEED, a fresh supply, re-

Sukk WORM EGGs, of the large Sulpker and Peacut archives for sale at the Seed Store [31] per founce.

June 1. M. B. B CTEH M.

Garden, Field, and Flower Seeds.

Garden, Field, and Flower Seeds,
This substrict having established a large Seed Garden
Thout on mile from the city, on Monroe street, would
say to his old customers and other, it to be is repared to
execute or less for seeds at wholesale or retail, or the most
iple Shaker Seed Garden. Unwe Lebanon, and a determinajoin to offer ross of shot such as are raised under his imported from the most respectable establishments in Emported from the most respectable establishments in Emported from the most respectable establishments in Emported from the most respectable cotablishments in Emported from the interpretation of the confidentity espects to give the most tamp
axis faction to all who may favor him with their patronage,
one of the confidentity expects of give the most tamp
axis faction to all who may favor him with their stateounge,
and Green House plants, promptly evented in their season.
Selection made by the proprietor when repleased.

Rochester Plough Manufictory.

Hochester Plough Manufactory, No. 50 States rect, may be f und a good assertment of ploughts of the most approved paterns, such as te Genesee, Caynea Consty, Gison's, Wood's, Rich's Side little and Shower plough, also, Cultivator, Recording Horse Rakes, Rood Scrapers, and Canal Wheel Parrow.

10. 1. WRIGHT & CO.

A NEW AND SPECUGIES.

A NEW AND SPECIFIC RIND OF PLOUGHS, (we sizes) designed for breeking up summer inflow, may be nurchased at the Rochester Lagle Phrance,—price 88 and 87 cach. Wood and other proline taken in exchange.

A J. LANGWORTHY. June, 1812.

J. M. Sherwood, Auburn.

As Mr. Hatch is not very extensively known, I

For sule rathe Todhelter Scal Stero,

ROCHESTER PRICES CURRENT.

ROUTESTER FILLERS COMMENT	
CORRECTED FOR	
THE YEW GENESEE FARMER, JULY 1, 18-	12.
WHEAT, per bushel, \$ 1,19 a \$	1.22
CORN,	44
OATS, " 28	
BARLEY, " 38	41
RYE, " 53	56
BEANS, White, " 75	1 00
POTATOES " 25	31
APPLES, Desert,. " 62	75
FLOUR, Superfine, per bhl 5 38	5.50
" Fine, " 5,00 SALT, " 1,25	., -
SALT, " 1,25	
PORK, Mess, " 8,30	9,00
· · per 100 lbs 3,00	,
BEEF, per 100 lbs, 3,50	
POULTRY,per th 7	
EGGS, per dozen, 9	10
BUTTER. Fresh., per nound 10	121
" Firkin, 10	-
CHEESE, " 6	7
LARD, " 7	8
TALLOW, Clear, " 8	
HIDES, Green " 4	41
PEARL ASHES, 100 lbs 5,00	
POT, " " 4,75	
WOOL,pound, 25	30
HAY, ton, 8,001	0,00
GRASS SEED,hushel, 1.50	
CLOVER SEED " 5,50	6.00

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From the Power-Piess of John I. Reilly & Co.

M. B. BATEHAM, Proprietor. \ VOL. 3.

ROCHESTER, AUGUST, 1842.

NO. 8. { HENRY COLMAN, Editor.

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METEOROLOGICAL OBSERVATIONS.

MADE AT THE ROCHESTER COLLEGIATE INSTITUTE BY L. WETHERELL, JULY, 1842.

									_
1	Thermometer.			i 1	Winds.		II ea		
Date.	Sunrise.	i 6'clock, r.m.	1 h. of.sunset.	Mean.	A. M.	P. M.	A. M.	P. M.	Rain Gage
26	63.	82	63	68.66	N	N	el'dy	sh'w	.15
27	59	66	62	61.66	N	vari.	sh'w	eb'w	.12
$\frac{27}{28}$	57	76	66	65 66	w	N W	cl'dy	rain	1
29	53	72	59	61.66	w	N	fair	lair	.08
30	55	86	70	72.33	s w	s w	cl'dy	sh'w	.28
1	67	68	59	63.16	N	NE	cl'dy	rain	
1 2 3 4 5 6 7 8	58	75	61	65.	E	w	rain	fair	.71
3	60	81	64	68.83	s w	s w	fair	rain	1
4	63	78	60	67.16	w	W.	fair	fair	.07
5	64	65 63 72	60	61.33	S	w ·	rain	rsin	.16
6	54	63	52	55	N	N W	cl'dy	fair	
7	46	72	57	69.33	6 W	s w		fair	!
8	58	77	68	67 33	S	s w	cl'dy	rain	.60
9 10	56	65	58	60.	w	N W	rsin	fair	.72
10	58	71	58	60.33	w	N	fair	fair	
11	52	75	62	64.	N W	N	fair	fair	1 1
12	58	83	68	70.83	s vy	N	fair	fair	1 1
13 14	65	87	72	74 66	s W	N E		lair	1
14	65	72	63	65.83	N W			fair	
15	60	71 78	58	62 5	N N W	N W	fair	fair	1
16	57	78	70	69 83			fair	fair	1
17	66	86	70	74. 76.	NW			fair	
18	66	88	72	75.33				fair	1
19	70	91 68	70	61.16	N N	N W		fsir	
20	60		59	62.5	SW		fair	fair	Ì
20 21 22 23	53	74	59 70	71.5	S	NW		fair	
92	56 65	84	74	77.16			fair	fair	
24	72	76	66	68.66					.23
25	56	72	58	62.66			fair	cl'dy	
40	1 00	1 12	1 00	102.00			1	1	,

Range of thermometer for the month, 45 degrees. Mean temperature of June 1842, 60-66 ** 1841, 67.62 " " 1840. 63.81 "

Rsin Guage, June 26, to July 25, 1842, 3.12 inches. 1841, 2.77 " " 66 1840, 3.55 " ..

Remarks on the woother and progress of vegetation commencing June 26th and ending July 25th.

June 26th, shower at 2 o'clock, P. M., with thunder and wind; 27th, thunder this morning at 6; 29th, thunder showers in the evening: 30th, showers with thunder at 5 o'clock, P, M.

July, the seventh month of the year, so called from Julius, the surname of Cains Cesar, who was born in this month. Before that time, this month was called Quintilis, or the fifth month from March.

July 1st, rain ; 2d, rain in the forenoon, clear in the

atternoon; 3d, a shower with thunder at 6, P. M., Aurora Borealis this evening ; 4th, fair ; river high ; 7th, farmers have commenced having; Eth, thunder showers at 1 and 21 o'clock, P. M.; 9th, very rainy last night; clears off this afternoon; 14th, a little sprinkle: no rain from the 15th to the 24th; 24th, thunder showers in the morning.

Corn is small, but has grown very fast for the last 10 days; corn in silk the 16th; last year it was in silk much earlier. Farmers commenced barvesting about the 20th; green corn in market last year the 16th of July. Whortleberries were in market the 13th. Chestnut trees in blossom the 5th. Tomstocs were ripe the 26th. I have seen no green corn, nor whortleberries, nor tomatoes in market vet.

Chestnut trees in blossom the 20th, much later than lest year.

Note .- Venus is now the evening star, and may be scen in the west a little after sunset. Jupiter and Saturn may also be seen; they come to the meridian about 11 o'clock in the evening. Jupiter shines with a white light and is very brilliant. Saturn is of a dim reddish color and comes to the meridian a little before Juniter.

Royal Agricultural Society of England.

'At a meeting of the Royal Agricultural Society of England, on the 18th of May, in London, on motion of the Duke of Richmond, seconded by Esrl Spencer, Prof. Justus Liebig of Giessen, Germany, and Mr. Henry Colman, Agricultural Commissioner of Massachusetts, were ununimously elected honorary members of this Society."

Mr. Colman gratefully appreciates this distinguished honor: an honor much higher than any to which his ambition had ever aspired; and the more highly valued on account of the eminent friends of agriculture at whose instance it has been conferred. Viewed eright, it can serve only as a new stimulus to render oneself deserving of it; and quicken efforts, however humble, to be useful in a cause deeply and inseperably connected with the physical comfort and the moral welfare of mankind.

Agricultural Papers.

In noticing the American Agriculturist in our last number, by an inadvertence we stated that each number consisted of 16 pages. We should have said 32 pages imperial octave. We are happy to make the correction, as it gives us another opportunity of commending to our readers a publication ably conducted and promising much advantage to the agricultural community. It is published monthly by Geo. A. Peters, New York, and edited jointly by A. B. & R. L. Allen: price one dollar per year.

The cheapness of agricultural publications is a remarkable feature of the times. The American Farmer, the agricultural pioneer, was published at Baltimore for five dollars per year and liberally sustained. Now a New York Farmer, without going out of the State, to which, we hope he will not confine himself, may have the Albany Cultivator, one of the best pspers over printed, the American Agriculturist as generation,

above, the instructive Central Farmer from Rome, and our own humble sheet, which we do our best to make useful, for three dollars per year. To these he may add the excellent end highly useful paper the Northern Light, printed at Albany monthly, and United States Farmers' Journal, printed in New York city, under the able and experienced supervision of Flact & Blydenburgh, for a trifle more. Few New York farmers, who have a hundred acres of land, are excusable if they do not take all of them; and if they cannot read them themselves, circulate them among their neighbors, in the public schools and reading rooms. How can they do a better service for the cost? Yet strange to say there are many who will not aid us at all : and there are others who threaten to withdraw their patronage, if we happen to differ from them in opinion. There are too, some patterns of liberality end justice, who went to best us down from 50 to 25 cents. Exquisite magnanimity! men, a million of whose souls could make together a somerset through the eye of a fine cambric needle without bruising or joedling or crowding. Out upon such meanness ! We remember one day, in Boston market, buying of a farmer, who had come two hundred miles, some lumn butter as fine as could be made, when one of these folks came up to inquire the price. The current price at the time was from 17 to 20 cents. The reply of the farmer was 121 cents. Why, said the man. wishing to "beat him down," don't you think that's high? We could not restrain our indignation .-"Throw it at him! throw it at him!" said we, "such a fellow ought to have his bread spread with wheel-grease."

A Liberal and Useful Movement.

The Livingston County Agricultural Society hove offered 20 vols, of the Cultivator and 20 do. of the New Genesee Farmer, to be given as gratuitous preminms to the deserving. Allow us to say this is highly creditable to their good judgment. If we recollect aright, the Rhode Island Society for the en couragement of Agriculture and Manufactures, have been accustomed for years to take fifty copies of the New England Farmer for this purpose.

Important Notice.

There is a large amount due us from Post Masters and Agents in the Western States and elsewhere, mostly in small sums it is true, but our whole resources depend on such small sums, and therefore we hope no one will delay sending on that account.

One word to our friends .- We have a large supply of back numbers of the current volume on band, which ought to be in the hends of subscribers. Will you not belp us-would you not be doing your neighbors as well as ourselves a real kindness, by soliciting them to subscribe ? The currency is now considerably improved, and hills of most of the states will PUBLISHERS. enswer for remittances

The Stupendous Temperance Reform .- Such is the progress of this reform that the most credulous and enthusisstic laborer in the couse, has been struck dumb by its all-sweeping progress; while the more sceptical looker on, is heard to exclaim, that God is performing a miracle for the cleanaing of a leperous Scientific Agriculture .-- Letter V.

MANURES .-- URATES; POUDRETTE; GUANO. One of my chief designs in these letters is to endeavor to elevate the mind of the agriculturist, by bringing him constantly and repeatedly in contact with the higher branches of the pursuit be follows. The names Oxygen, Hydrogen, Nitrogen, &c., may appear at first puzzling to him, but by frequent collision with them, and by the persuasion that they represent substances as distinct, although not quite so tangible, as his own particularly urate of ammonia, is very readily soluble plough or harrow, this appearance will wear off, and he will be gradually brought to pay attention to their operations. When he becomes convinced that the ammonia of his dung heap is its most valuable part, he will exert himself to economise and save it in every possible way. When, by practice and experiment on his own farm, he becomes intimately acquainted with the powers on his own soil of the different artificial manures, of nitrate of soda, of Guano, or of the composts under various names now regularly offered for sale as manures in this and other countries, then will he discover the great value of the study of those principles and laws, which, always found to be simplest when best understood, nature has wisely ordained for the regulation and connection of the animal and the vegetable kingdom; a kingdom in the midst of which the farmer passes his whole existence, and in whom therefore, an ignorance of these laws is only to be excused by want of the means of obtaining a knowledge of them. I will then, at the risk of repetition, and in order more clearly to elucidate what follows, recall a few facts and principles already set forth in these letters. and which cannot become too familiar to every one connected with agriculture. They are that vegetation is chiefly composed of carbon, oxygen, hydrogen and azote or nitrogen, and that this latter substance is principally useful in promoting the digestion of the food absorbed by the vegetable, or in other words of converting this food into its substance and juices; assimilation, as it is most properly called; hence that if a vegetable absorbs more food than it can procure nitrogen to assimilate, all such superabundance is worse than useless, it is injurious. From this it will be seen that during the whole time a plant is growing, (which is this action of assimilation) until the formation of the flower and the fruit, it is necessary that azore should be supplied just as fast as, and for economy not faster than it absorbs its food; that the more of this food is healthily digested or assimilated by means of ezote, the larger will be all the parts of the plant, and the greater will be the quantities of saccharine and other juices stored up in the stems, roots, &c., for conversion into flower and fruit, and the larger and finer of course will this flower and fruit be, provided the necessary heat and sun light to ripen these juices be present, and the requisite arrestation of growth of stem and foliage take time out of mind manured their almost barren, sandy place as prescribed by nature previous to the formation

This statement renders quite clear the importance of a constant and abundant supply of azote to vegetation, and will therefore shew the value of urine as a manure. Urine is composed chiefly of Urea with a few extremely useful salts, as sulphate and nitrate of potash, common salt, phosphate and acctate of soda, a little phosphate of lime, and a little muriate and urate of am-

of these products.

Urea, the chief ingredient of which is uric acid. contains in 60 parts, 12 of Carbon,

28 of Nitrogen. 4 of Hydrogen, 19 of Oxygen,

Uric acid contains in 100 parts 36.11 of Carbon, 33.36 of Nitrogen,

2.34 of Hydrogen, 28.19 of Oxygen.

100

This uric acid combines with various alkaline bases, such as ammonia, seda, potash, &c., and forms salts called urates, thus urate of ammonia, urate of potash, &c. Now one great feature of these urates is their slow solubility in cold water, although some of them in hot water; this is as though nature had said in stamping them with this property, "You are required to supply digestive powers to vegetation, and your quality must be to dissolve only just as fast as you are wanted." We shall see hereafter the value of Silex, Lime, Potash, Soda, &c., with their different salts; on these much discussion does and always will exist; they are all good applications when the soil does not already contain a sufficient quantity of them; but no discussion ever arises respecting animal manure containing nitrogen, no farmer, whatever may be the quality of his soil, ever doubts the value of this -on this the only discussion which arises is as to its economical application. In our Chemical Laboratories by the application of fierce fires, of concentrated acids and alkalies. we can analyze various substances and exhibit to our limited senses their constituent parts, and in many cases we can gain some knowledge of their properties; but nature does not act thus, yet she analyses and separates the same ingredients, by action on infinitely minute particles, such as are entirely invisible to our most powerful microscopic efforts. We analyze for exhibition, she for use. She analyses or forms combinations and again separates these into their original particles, just as they are wanted by the animal or the yeartable creation, but of her methods of so doing we are at present profoundly ignorant; our chief exertions must be confined to observe her operations and afford ample ingredients for carrying them on. Thus soon after animal urine is voided it begins to ferment; urea and urates are formed; these, applied to the soil are acted upon by plants, and their constituent parts, nitrogen, oxygen, &c., with their alkaline bases, are separated by them for their growth. The immense value of this material is therefore quite evident, as is also the folly of wasting it. The great practical knowledge now required, is to find the best way of preserving its virtues until wanted for use, and the quantities in which to apply it with the utmost economy and advantage on soils variously constituted. Much experiment is still needed to advance the present infancy of this great practical study. There is a substance existing in immense beds of 60 to 100 feet in thickness on the coast of Peru, called Guano, pronounced something like Huano, with which the people of that country have soil, and by the help of which they have raised good crops of corn. The recent application of science to agriculture, has caused this substance to undergo investigation for the purpose of ascertaining its value as a manure. Amongst much other valuable information contained in a recent publication of Dr. Dana, of Lowell, may be found the latest and most correct analysis of Guano by Voelckel. It contains in round numbers, About 31 per cent of ammoniacal salts, (amongst

them urate of ammenia.)

About 14 per cent of phosphate of lime, the chief ingredient of bone dust.

About 31 per cent of organic substances, such as will form humus or geine.

About 20 per cent of salts of soda, potash, magnesia and lime.

About 4 per cent of sand and clay.

So that according to our present knowledge, it would hardly be possible to concoct a compound of greater

consequently been found so valuable in England, that about 60 vessels are now employed in removing it there. from Peru, and it has taken its place in the price cur rents of that country as an article of standard value, The London price current of the 24th May, observes, "Guano is now dull of sale, though offered at the reduced price of £15 to £16 sterling, about \$60 to \$64 per ton" of 2240 lbs., it used to sell for about #80. Notwithstanding its immense quantity, it can hardly be any thing clse but the excrements of birds, urates never having been found naturally formed, except in animal excrement. It will be observed to contain many of the ingredients of urine. I am not aware that any experiments have been yet made on this substance in this country, but having, by the kindness of a friend, received about a pint of it, just arrived here direct from the coast of Peru, I have applied it to different plants in quantities varying from one sixtieth to one hundreth part of the sail. Two or three plants of delicate habits to which the smallest quantity has been applied, have in 14 days been killed by its too great power; other plants of more robust habit, are evidently getting of a deeper green color in their leaves-all have been most copiously supplied with water. Dr. Lindley, in the London Gardeners' Gazette, states that not much is yet known there on the subject, but advises trials to be made by solutions of it in water; this method. however, is evidently inapplicable to large agricultural operations, besides it is dissolving out the soluble salts and applying them alone by themselves-whereas by intimately mixing with 'the earth and copiously watering, the roots can act on the substance in the way most congenial to their nature, and the salts are also dissolved. The best way, probably of using it on a large scale, would be either by mixing it thinly spread throughout the manure heap, or strewing it scantily over the ground previous to ploughling. From its intense smell and appearance, it must be a very strong manure, but to what vegetation it will be most advantageous, and how best applied, will require some experience to decide upon. Other artificial manures called Poudrettes, are now commonly known here; they are or ought to be chiefly compounded of night soil with or without animal offal, prepared so as to retain the ammonia, which, although not the only, is yet the chief valuable ingredient. It is obvious that its effects will depend on the proper preparation which it undergoes and on its freedom from adulteration of other substances of little value as manure.

Nitrate of soda, with several other salts of importance in commerce, are found in large quantities in the province of Terapaca, Peru, where it never rains .-This district has been visited by Mr. Blake of this city. and much valuable intelligence obtained. Dr. Daubany, well known in England for the unremitted application of his scientific attainments to the promotion of agriculture, is about quitting England for the purpose of visiting this spot; so that agriculturists may perceive that scientific persons are every where bending all their energies towards the improvement of the cultivation of the soil: it behaves them, therefore, not to be behind hand in endeavoring to second, by their practical experiment, the efforts of these worthy colaborers. J. E. T.

Boston, July, 1842.

Additional on Daniels' Patent Manure.

In my last letter I gave you my ideas respecting Mr. Daniels' new manare; since then, I have received the specification of the patent; here it is a little abbreviated.

The substances are divided into three classes:

First: Ligneous matters, (say sawdust of any wood) also peat, straw, and weeds of any kind.

Second: Bituminous matters; these are, mineral apparent power on vegetation. Its operations have soal, (not anthracite, I am sure , although this is not so

stated,) asphaltum, pitch made from coal tar or other pitch, mineral resin, and also tar.

Third: Animal matter, such as butchers offal, graves. flesh of any dead animals, also fish.

The ligneous matters are ground to powder-or the same effect may be produced on them by mixture with eaustic (unslacked) lime.

The bituminous matters, when brittle, are ground into powder by machinery; but if sticky like pitch, a small quantity of dry quicklime is added to prevent their sticking to the machine. When these bituminous ingredients are liquid, they are converted into vapour by dry distillation, with which vapor the ligneous matters are saturated. These ligneous matters may be, spent tanners' bark, dyers' spent wood, sawdust, &c. The soft bituminous matters may also be reduced to a state of minute division, by being rendered soluble in water by the addition of caustic alkaliand in this solution the ligneous matters are steeped.

The animal matters are mixed with pulverised ligneous or bituminous ingredients before mentioned, and are then ground into fine powder.

This manure is deposited in the ground with the seed by means of a drilling machine, or scattered over the ground broadcast.

The words within bracket: are my additions,

It will be immediately perceived that the particulars given in this patent are calculated more to conceal than to disclose the real method of concocting this manure. Still, as the patent right would be vitiated unless all the ingredients were mentioned, there is no doubt that every substance used is given, and that the sulphur, of which I did not see the use, is not amongst them

There are two ways in which this preparation may be made. The bituminous matters, any or all, may be dry distilled, that is, inclosed in an iron retort and acted on by fire, the ligneous substances exposed to the vapour proceeding from this distillation, and thoroughly saturated with it. Coal gas, for illuminating cities, is produced by dry distillation of bituminous coal. This method, however, would require a regular manufacturing establishment with proper machinery.

When peat, weeds, &c., are used, then, with the tar and liquid bituminous matters, they may be operated on by quicklime, and sawdust added, -either of these mixtures, with finely divided animal matters, would no doubt make a rich manure. The principles of the formation of this new manure of Daniels', seem to agree pretty well with those I have laid down-namely, that all ligneous matters containing the basis humns or geine, a source of carbonic acid gas, well saturated with azote, psmicularly in the form of ammonia, and mixed with alkaline bases, as line, potash, or sada, are highly important manures, particularly on light sandy soils: and that animal and carbonaceous matters are excellent ingredients to produce this saturation of azote.

Also, as a general rule, that whenever any rich manure, as cow or horse dung, is put on a hill on which plants are to be set, it is an excellent plan to mix a little quick lime with it before covering up. The lime liberates the ammonia, with which the earth around becomes impregnated, and the roots then find their proper food with its digestive power ready for them in abundance. The only precautions necessary, are to guard against the lime coming into contact with the roots, and also to cover up carefully, so that none of the ammonia may escape into the atmosphere.

J. E. T.

Reuben Miner, of Peacham, Vt., has this year produced 612 lbs. of sugar from 80 trees. The sugar producers of Louisiana represented to the Committee Vermont can compete with them at a profit.

From the (London) Mark Lane Express. LIME.

There seems to be a growing difference of opinion as to the state in which have should be applied to the We have always been of opinion that lime, generally epeaking, operates upon the soil in two ways, namely, chemically and mechanically; when it is merely to operate mechanically, as to lighten neavy clay soils, it is of no moment whether it be apphed in a caustic state or not; but when intended to act chemically, we hold that it must be applied in a caustic state. We can speak of our own personal enustic state. We can speak of our own personal experience as to the practice over a very large district. many thousand acres of reclaimed land in the West of England, where lime was the article generally used in the first instance to stimulate the land to fertility. The lime is deposited on the land in heaps a perch apart each way, the heaps of course varying in size according to the quantity per sere intended to be applied, but ordinarily one bushel in each heap. It is then covered with a portion of the soil, and auffered to remain until it begins to slake into powder, and which of course varies in point of time according to the dryness or moisture of the wenther; the heaps are then turned, and suffered again to stand until the small lumpa remaining are slacked, when it is spread upon the soil whilst yet in a caustic state, and immediately well harrowed into the soil. That it is more effective in a caustic than in an effete state, has been frequently proved in cases where, from some cause, two or three rows in a field have been suffered to remain uncovered, and by being exposed to heavy rain, was run to mortar before spreading : in such cases the difference has been manifest in the crop. We know it is the practice in some districts to mix the lime with head lands, ditch scrapings, and any other mould that con be collected, in large heaps, turning it over, and in due time carting it on the land. The operation of the lime, however, in this mode, is precisely the same as in the mode first described, with this difference, that in the former method its immediate effect is on the soil of the field, in the latter on the soil collected in the heaps with which it is mixed. It has been said that, inasmuch as line in a caustic state has been found not to be injurious to animal life, it therefore would produce no effect upon the soil; abstractly this may be true, but it is the application of moisture which causes it to operate on the soil, and were water applied in proper quantity, it would immediately become destructive to animal life. This subject is one of great importance to the farmer, and we would strongly recommend those who desire information upon it, to read a chapter on lime in a "Trentise on Manures, their nature, preparation, and application, by John Donald-con," just published by Baldwin, in which the question in all its bearings is treated in a clear, systematic, and practical manner. This chapter is forty pages in and practical manner. This chapter is forty pages in length, and forms the best essay on the subject with which we are acquainted, and such as we can withconfidence recommend to our readers.

Use of Camels on the Western Prairies.

MR. EDITOR-The writer of this is a native of Russia, and has spent many years of his life in that portion of the Empire which borders on the Ural and Volga Rivers, north of the Caspian Sea.

I have, during the lest two years visited, many parts of the United States; lately I have been in Missouri, lowa and Wisconsin, and during my journeyings have had the fact strongly impressed on my mind that the Carnel would prove a most valuable animal for burden in those prairies, and especially for traversing the country west even of the States I mention, where water is sometimes not found for days.

Camela used only for voyaging, possess great speed, and in the unsettled country would be found good to carry mails and convey intelligence. Their speed is great, 120 miles being a common day's travel for speedy

Some individuals have expressed to me doubts of their being useful in this latitude. I mention the place of my birth only to show the most doubting that, in a more rigorous clime, they are extensively used. The breeding of camela is not more expensive than horses.

You no doubt are informed with regard to this subon Manufactures, that they cannot produce sugar at ject, and I am convinced can give to persons desirous less than 51 cents per pound. If true, the farmers of of breeding the camel, valuable information through the medium of your journal. They (the camel) can ty .- Manufacturers' Memorial.

be obtained on the Black Sea, and if Agricultural Societies would import a few pairs, they would confer a great advantage on this country.

From 600 to 1000 pounds, with a rider, is a common load for the camel; and the communestherbage, even weeds and twigs, will suffice for their sustenance while enduring the severest labors.

I was advised by some gentlemen, to whom I casually mentioned this subject, to write to some editor of an agricultural paper of this matter, and being about to go to the east through Canada, have thought best to write to you from this place.

Yours, with respect,

II. EOHLIN.

Buffalo, July 6th, 1842.

The statements in the foregoing letter certainly dsserve attention. The facts given in respect to the speed of the camel, their strength and capacity for burden, their endurance of fatigue, and the cheapness of their support, are well established. They are as susceptible of training as the horse. They are of a mild and peaceable disposition, and live to a great age. We had supposed that they could not endure our climate, but the statement of the writer of this letter shows that it is otherwise. That they would be useful on the prairies and in the long journeys now constantly undertaken in the vast and unsettled plains towards the Rocky Mountains, into Mexico, and other territories, now and likely to remain impenetrable by carriages, it would seem but reasonable to helieve. On first reading this communication, we were disposed to regard it as mere matter of romance; but upon reflection we cannot but think it is worthy of consideration. The only great difficulty would be in first importing them. This has been done, however, in several instances; and with proper care and management, the race might, for any thing we can see, be as easily extended as the race of oxen or of horses .- Ed.

Native Silk.

The Cincinnati Gazette give the following statement of lacts showing the progress of the silk business in this country, as indicated by the bounties annually paid in the several States :

"In Ohio the bounty paid to silk growers in 1839 was....,\$71 10

The whole amount of reeled silk produced last year is set down at 3000 pounds. In Massachusetts the bounty paid in

1836 was.....\$85 20 1839 was......439 99

1841 was......4675 10 In New York, the increase in the quantity of cocoons produced, has been very rapid, in 1840 being 2000 pounds, while in 1841 in was 6426 pounds.

In Pennsylvania, the hounty paid in

1840 was.....\$2101 80

The Rev. Frederick A. Ross has probably raised more silk than any other person in the country. During the last year he said 300 pounds of recled silk in Burlington, N. J., for §1600. A silk filature has been recently establ shed in Philadelphia."

Wool and Protection.

Your memorialists respectfully suggest, that the introduction of every yard of broadclut into this country, is the introduction of two and a helf pounda of wool into the country—and the introduction of every yard of beaver and pilot cloths is the introduc-tion of from three to four pounds of wool into the country, and each such yard of cloth foregoes the income of an acre of land of the American farmer, and of course employs the acre of land of the for-

As citizens of this great Republic, we are entitled to our own market; we are entitled to the cultivation of our own lenda-to the employment of our own labor; these are not unreasunable privileges, and to deny them is to destroy the arts of peace and prosperi-

On Daniels' Artificial Manure.

The subjoined communication refers to the remarks of our correspondent J. E. T. in our July number These remarks it will be seen are in some measure qualified in his communication of this month, made after having become more acquainted with the octual constituents of this celebrated manure. We give place to this communication from the highest authority, with great pleasure. Dr. Dana's valuable book, the Muck Manual, has not yet received that attention in our columns which is due, and which we design to give to it. This is owing to repeated disappointments In "promises to pay" on the part of our correspondents. In that book is illustrated more fully the "action of carbonic acid" upon cilicates, which Dr. Dana refere to in this letter as of so great importance. We shall presently give his views of it more at large, leaving to others to determine how well they are founded.

Of this book, the Muck Manual for Farmers, by S. L. Dana, we find the subjoined notice in the July number of Silliman's Journal of Science, which we have no doubt is from the pen of Professor Hitchcock.

"In conclusion, we can cordially recommend this work to our agricultural friends for ita practical character. It is not saying too much to assert, that Dr. Dana has done for the farmer in this treatise, what Dr. Bowditch did for the sailor when he published his Practical Navigator. In this respect this treatise contrasts strongly with such a work as that of Liebig on the Organic Chemistry of Agriculture, &c., which, notwithstanding its originality and the philosophical beauty of its theories, is apt to make the impression upon the farmer that he is not at present to expect much from agricultural chemistry but ingenious con-We are sure that Dr. Dana's work will remove this impression, while on the other hand, the chemist will see in it evidence of the rapid advance of this science. Within two years, three able European chemiats, Liebig, Daubeny and Johnson, have given to the world most mature and valuable treatises upon it; and now we have a cis-Atlantic effort, which will not suffer by a comparison with any other. Truly the genius of agriculture may exult in the bright prospects that are opening before her."

DEAR SIR-The remarks of your correspondent J. E. T. on the "new manure," like all things from his highly gifted pen, are of great value. He does not, however, seem to go to the root of the matter. After showing the value of ammoniscal liquor from gass works, he supposes that the " new manure" may be an attempt to form a substance or mixture. which resembles pit-coal; that this evolves ammonia, by spontaneous decay, as coal does by dry distillation. This is his explanation of the action of the new manure. It is good as far as it goes; but attributes too much to ammonia. When we consider the very small proportion which nitrogen forms of the whole mass of vegetable matter, averaging about 0,173 of the whole mass of cultivated crops, seeds, roots, stalks, &c., when green, and that whatever may be that proportion, nitrogen forms only 14-17 of any portion of ammonia, the quantity of this element. formed by the proportion of the new manure said to be used, must be quite too small to exert such effects as are said to be produced by its use. The proportion of nitrogen in coal is rated too high by J. E. T. Dr. Thomson assigns, according to Henry and Ure, quite too small a portion of oxygen in coal, while his quantity of nitrogen, though estimated according to the best mode of analysis then in use, is much too high. It was probably a mixture of oxygen and nitrogen Later analyses, conducted on more refined principles by Richardson, give an average of nitrogen and oxygen, of 8.852 in caking, splent, cherry and cannel coal. What proportion these bear to each other, does not appear; but, since Liebig, deducing the composition of coal from woody fibre, by subtracting water, carbonic acid, and carburetted hydrogen, excludes

amount to a much greater proportion than that actually formed by Dr. Schafhaeutl, in Welsh anthrocite. The average of two samples affording of nitrogen only 0 962, or, in round numbers, one per cent. This analysia confirms what observation has long shown. that the burning of our unthracites, produces abundant ammoniscal salts. The remark of J. E. T., therefore, that anthracite contains no nitrogen, requires modification. Had not analysis detected nitrogen, we might have attributed (se no doubt it is, in part.) the formation of ammonia in this case, to the passage of moist air over the ignited carbon; a well known and abundant source of the formation of this alkali. It is a question whether the spontaneous decay of coal ever evelyes ammonia. It is on this point that the explanation of J. E. T. rests, so far as bituminous substances forms part of Daniel's manure. Spontaneous decay is a very different process from dry distillation in a closed vessel. It is quite probable that the bitumen acts less than the sulphur. This last acta by gradually forming sulphates, and probbaly your correspondent is right in attributing very little to its effects. We have then, sawdust, alkali and lime for the active agents. The effects of the new manure are due to other causes : 1st. To the evolution of carbonic acid gas. 2d. To the alkali forming soluble geine. with the woody fibre, whose decay is hastened by the presence both of that alkali and of lime. The sawdust, contains all the elements of manure, organic and inorganie. Dry sawdust exposed to air, decays-corbonic acid, water and ammonia result. While it loses, thus 3 ports in 100 of carbon, it loses 12 ports of oxygen and hydrogen, as water; or loses sltogether 15 parts. If the air is excluded, as in the present cape, and moisture is present, then the water is decomposed and a larger portion of carbonic said is formed, The loss of weight is now from 18 to 25 per cent, and the resulting mass is geine or humns. This immediately combines with the alkali and abundance of soluble manure is formed. The small portion of fixed alkali here acts like ammonia in cow dung. The immediate effects of the "new manure" are due to the evolution of carbonic acid among the silicates of the soil. These are decomposed by it. Their alkali is let loose, and acts on insoluble geine in the soil; the phosphates, combined with the pilicates, are set free. This action of carbonic acid upon silicates, has been quite overlooked. The necessity of forming it, among the silicates, where plants are sprouting and growing, is of the first importance. The function of carbonic acid is here of the highest order in vegetable growth and culture. It is the high function of fermenting manure. It must never be lost sight of. No matter how rich a soil may be, in goine, it that has lost the power of spontaneously and readily producing carbonic acid, it is is dead, barren-it must produce carbonic acid, not for the food of the plants, but to decompose the silicates. On this turns the theory of rotation of crops, I shall touch upon this hereafter. To the censes above referred, is to be attributed the effect of the new manure. I doubt not the same results would follow from alkali and sawdust only-the same results which follow from muck and alkali, a little quickened perhaps, by a more free production of carbonic acid. If so, we are taught an important and practical lesson. Saw dust, or fine woody fibre, is to be added to swamp muck and alkali. All this is to be learned by trial. Let it be tried.

In connection with this subject, this evolution of carbonic acid, I would suggest to J. E. T. whether his remark, that fat is uscless among the offal of the slaughter house, may not lead to a waste of a very good manure.

Fat, &c., is useful in two ways: 1st. By exposure nitrogen from coal, we may suppose that it does not lo air, it evolves much carbonic acid. 2d. During in removing those aphides that prey upon the roots of

this process, it gives up its glycerine. This last is an organic product, highly soluble in water. To this fact, "spent ley" owes no small part of its good ef fects

Lowell, July, 1842.

Notice.

Prolessor Liebig has a new work in the presson Organic Chemistry and Physiology. It will be publist ed simultaneously in this country under the care of Professor Webster, the able editor of Liebig's former work. The work has been translated by Professor Gregory, who expresses himself as follows in relation to it.

"In my opinion, this work will mark the commencement of a new era in physiology. In translating it, I have experienced the highest admiration of the profound sagacity which has enabled Liebig to erect so very beautiful a structure on the foundation of facts, which others had allowed to remain for so long utterly uncless, and of the logical structure and extreme cogency of his orguments. There is hardly a point in physiology occessible to chemisty (I mean, of course, those on which experiments have been actually made) on which he has not, by the mere force of his intellect, thrown the brightest light. In short, we now feel that physiology has entered on the trae path, and the results, before long, will, I prophesy, ha altogether astonishing.

On the use of Sait for destroying Grubs.

We have much pleasure in aubmitting the subjoined communication to our readers. Its auggestions in regard to agricultural experiments are of the highest importance. Experience is the certsin road to useful knowledge. Every farmer can afford to make experiments, if not on a large yet on a small scale; and experiments on a small scale may be equally conclusive and satisfactory as others. All that is wanted in these cases is exactness of observation in regard to all the circumstances under which the experiment is made its progress thoughout and its results. Every practical farmer is continually making experiments. His whole course of cultivation is to a degree, a course of experiments; here then let him carefully write its progreso, its incidents and its results; and let him journalise them for his own benefit, and communicate them for the benefit of his neighbors.

The "Plough Boy" we have never seen. It is we believe the only agricultural publication of the State that we are not in possession of. We wish some friend would put us in the way of obtaining a copy; and we should certainly republish the communication referred to. Nor do we recollect Cartwright's communication on preventing the rust in wheat. To the concluding suggestion of our respected friend wo must demur, as believing it wholly impracticable. At a convenient season we design to treat the whole subject of salt as a manure, a subject on which much has heen written but little is determined.

MR. HENRY COLMAN :-- In your June number is a valuable communication relative to the efficacy of salt in destroying the grab. By way of confirming this information would it not be well to republish a communication made by Major Smith of Albany, upon this subject to the Plough Boy, as long ago to 1821. You will find it in the 2nd vol. 98th page .--I am induced to make this suggestion in consequence of our mutual friend H. D. Grove remarking to me that he had used the quantity per acre recommended by your correspondent, without complete success, if with any success at all-which according to Mr. Smith is quite impossible unless the salt is dissolved. My experience confirms the truth of Mr. Smith's statements -I have long since called the attention of the Cultivator to it as one of the most important communications that have been made to the farmers.

Dr. Harris, in his report on the insects of Massachasette, has made mention of the value of salt water plants-which confirms as far as it goes, the statement of Mr. Smith. The English periodicals contain numerous communications relative to the value of salt in destroying slugs, (enails?) and worms .-Grub worms I presume is meant. They also state that to insure success the weather and the land must be damp. Mr. Field (Cultivator, vol. 4, p 183) killed grubs by using becf brine.

Any farmer who has a quantity of old brine and a watering can may easily prove the truth or felsehood of these positions when the grubs appear next year .-It is very desirable that intelligent farmers would on some scale or other, no matter how small, settle the question experimentally-and forward the result to some agricultural journal so that from the number and variety of the communications something like certainty may be derived. It is to be regretted that the attention of intelligent farmers is not sufficiently concentrated upon the various topics of agricultural inquiry that ore continul recurring. From the want of concert among them many a valuable suggestion is lost. Here is a communication from a most respectable and accurate man that has slumbered for twenty years, which would have been of incalculable value to the farmers if ten of them had during that long peried stated its truth and published their experiments. It is true that with the generality of farmers their experiments are rather the result of accident than design; at least this has been the case. But as there is new a spirit of liberal inquiry aroused in the farming mind, can it not be directed in a good degree to the same channel by the agency of the agricultural editor? Will it not do for you to urge your correspondents, for example to put a good deal of salt, attic, as well as common, in their communications for some time to come, and thus furnish abundant data for settling the value of salt to the farmer beth as a manure and a vermifuge.

Every year the wheat districts suffer to a greater or less extent from the ravages of rust, and yet it is rendered more than probable that the free use of salt as a manure prevents this terrible disaster. At all events the celebrated Dr. Cartwright assertained that if one pint of salt be dissolved in eight pints of water and applied to rusted wheat at the rate of two hoghsheads to the acre, the rust entirely disappears in two or three daya, leaving only a alight discoloration of the straw. Now will not the sowing of very fine salt upon rusted wheat when it is wet with dew or rain answer every purpose and save the farmer from heavy loss?

Yours most truly, I B NOTT Norman Vale, Guilderland, July 7, 1842.

Every thing connected with the great stable of Western New York is important, and therefore we aubjoin the following communication published in the Maine Farmer of a late date. We do not feel authorised to decide upon its soundness, but submit it to the observing and experienced.

Advantages and Disadvantages of the Bald and Bearded varieties of Wheat.

MR. Hermes: -As the fermers of Maine are at some loss as to which is the most profitable to raise, the bearded or bald varieties of wheat, I have thought that it would be beneficial to state the adventagea and disadvantages of both, according to my experience.

Advantages of Bald Wheat.—The flour is whiter.

makes more pounds of flour to the bushel, as the hull is thinner and there is less bran, packs closer in the bundle, and takes less room in the stack or barn. The disadvantages are, the liability te ledge or to be thrown down by storms and rains, rusts or blasts easier, or more likely to be rusted and blested, takes lenger to grow, does not ripen as early in the season, and must be mixed thinner in the paste before baking. The bread dries sooner after haking.

The advantages of Bearded Wheat, especially the

Psyson Williams Black Sea, are, stiffer straw, not aliable to be beat down by storms or to lodge on rich

ably bears more heads to the acre, though that is It need not be mixed so thin in the paste before baking. The disadvantages are, yellow flour, thicker hull and consequently more bran. Does not Doce not

make as many pounds of flour to the bushel. Let it be remembered that all bald wheat makes white flour, all bearded wheat yellow flour.

Winthrop, May, 1842.

Seed Wheat .- Caution to Farmers.

The subjoined is a very important communication. Some years since, having taken great pains to get some celebrated wheat from a distinguished cultivator. we received a few bushels very much mixed with rye, oats, &c. We undertook to clean it by picking out with the band all the "foul stuff." The undertaking was most tedious; and being obliged to leave home before it was finished, we left it in charge to a man in our employ. He being very impatient, and not destitute of that self-conceit of superior sagacity so common in such cases, immediately after we left, took the whole to the mill and passed it through the smut machine. The consequence was, its germinating power was destroyed, and with the exception of a very few straggling plants, we lest our seed and our labor; to say nothing about our temper .- Ed.

Mr. Colman-Through the medium of your paper wish to caution the farmers of Western New York against sowing wheat threshed with a machine, for I believe it is one great reason, if not the only one, why we de not have wheat grow as thick now es it did before machines come in use. I came to that conclusion last fall, and threshed my seed with flail, and the result is, my wheat came up twice as thick as my neighbors, according to the quantity of seed sown per acre, threshed with machine, which was about one bushel and three fourths per acre, and it stands so yet. I further believe wheat should be sown as soon as the last week in August, for as far as my knowledge extende, wheat sown at that time has not failed to be of a good quality, when that sowed ten or twelve days later has been very much injured by the rust.

Romulus, July; 1842.

For the New Geneses Farmer. Turning without Cost.

JO. WICKOFF.

In well manured ground, new occupied with corn and petatoes, where it is not intended to pleugh the ground before late in autumn, a erce of White Nortolk or other fast growing turnipe, may be raised without detriment to the present crep, and without any cost excepting the seed and sowing, by scattering a small quantity between the rews the last time the cultivator or plough is passed between them. This latter operation every good farmer knows, should be done much later than many practise, stirring the soil and destroying the weeds often being a matter of great importance, se far at least as the cern crop is concerned, even when the plants have attained the height of two or three feet. The corn being cut up early in autumn, leaves the full occupancy of the ground to the turnips and they advance rapidly in growth. When sown among potatoes, they will in general have at least one menth for growth after the potatoes are dug from the ground.

It is true that by this method heavy crops cantiot be obtained; but that a considerable quantity is generally afforded and much more cheaply than they are etherwise obtained, has been sufficiently proved by the experience of the writer.

Lime and Mode of Application, from Proceedings of Royal Agricultural Society in June last.

Mr. Raymond Barker communicated some observations on the use and abuse of lime as a dressing for end, by Mr. Wm. Henry Fisher, at 18 Conduit treet, London. The author's great object is to imland, quick in its growth, tipens early, and will do to ness upon farmers the importance of using quick of tong sow late, is seldom known to ruster blast, and problime, and not lime which once had been quick, but goque.

by delay in use and exposure to the atmosphere has become effete, and has absorbed from the air the carbonic neid which it again changes to the carbonate of lime it was before burning He considers that many thousands of pounds are annually thrown away by agriculturists from want of a proper knowledge of this simple fact; and he recommends them to use their lime in the fresh burnt state, by carting it direct from the kiln upon their land, spreading it in the lump, and in that state ploughing it in directly, the sooner it being got from the kiln into the land the better. author concludes his communication with the following remarks :- "The lime will be found, if properly burnt, on a second ploughing, to be crumbled to pieces or powder, and on harrowing will be intimatey mixed with the soil. From the heat evolved during the slacking of the lime underground, and its causticity, which diffuses itself by the agency of the mois-ture it meets with through the soil, it will be found to destroy, or at any rate to be extremely obnoxious to wireworms, slugs, grubs, and other enemies which the farmer has to contend with, and which are very frequently the cause of failure in his crops, as well as in rendering most vegetable matter in the soil soluble, and food for future crops. These are the properties that lime has in contradistinction to chalk; the latter, no doubt, is a very useful addition to many soils, but do not go to the great expence of buying or burning lime, and then ellow it to be converted again into chalk, or carbonate of lime, before you plough it into your land. In some districts the limestone is burnt in large lumps, particularly where wood is employed as a fuel—in which case it should be broken to sbout the size of a small penny roll before it is ploughed in. In some cases it may be said, that, owing to the distance of procuring lime, enough cannot be brought at one time for a ploughing; all I can say is, plough it in as soon as possible. If the turnip fly is generated in the soil, lime, applied in the manner I have directed, would no doubt do much towards their extermination; and the same effect and result would hold good in respect to the black caterpillar. In cenclusion, the good effects of applying lime in the manner recommended, I have myself experienced, and have received ample testimony to the like purport from extensive agriculturists, who, at my suggestion have adopted the plan."

Royal Agricultural Society.--Marling with Shale: Charles Charmock, Esq., of Holmefield House, near Ferry Bridge, in Yorkshire, Eng., communicat-ed to the Council the results of his application of Burnt Blue Shele, as a aubstitute for clay or marl on the hilly and thin soil of his farm. Mr. Charnock stated that in the coal districts, a blue clay was brought up, and accumulated so rapidly near the mouth of the pits, se to become a great end inconvenient incum. brance to the owners; that this clay was similar to the "Blue Shale" of the West Riding of Yorkshire, and was frequently burnt, and when drilled along with crushed bones, was in this state found useful in promoting the growth of turnips; but as the whole of the heated mass required frequently to be turned over before it could be thoroughly burnt, the operation was found to be tedious and expensive.

Mr. Charnock having had some years' experience of the utility attending the application of the Blue Shale to the gravelly part of his own farm, was in-duced, from the auccess which had attended his trials of it, to select from the numerous experiments he had made on this point, one average experiment to be submitted to the consideration of the Society, and to show to its members that even an article ac abundant and useless as this shall become of value if rightly applied to ite proper purpose, and, as in this instance, to

soils of a gravelly and sandy nature. Mr. Charnock's experiment in question was tried upon a soil lying upon the magnesian limestone-a substratum proverbial for ita natural poverty and inability to resist drought; and he enters into a detailed atatement of all the particulars relating to his opera-tions. The result of this experiment was found to be in favor of the system he had pursued, and that his barley crop gave an increase of 27 3-7 bushels, and his wheat crop 17\(\) bushels, per acre, besides aaving the expense of from 12 to 16 bushels of rape-dust on the crop.

Waterloo Woolen Factory-Is now daily thronged with farmers and farmers wives, many of the latter encumbered with their nurslings; 4000 lbs. of wool, on the daily average in June, are here sold or exchanged for cleth-the leng sales room is crewded with eager buyers; such another hum of voices and confusion of tongues, is not to be found outside a Jewa Syna-

TRANSACTIONS OF THE NEW YORK STATE AGRICULTURAL SOCIETY.

The Report of the Jefferson County Agricultural Society is exceedingly well drawn up. We give merely an analysis or abridgement of its contents.

The report commends the practice of manuring fallows for wheat. It would have been gratifying and instructive, had the committee informed us when and how this manure was applied; whether at the first ploughing or at the last; what manure is applied and in what condition; whether ploughed in or dragged in; and in what quantities.

The average yield of cheese to a cow, 309 pounds. by which we suppose is intended new milk cheese only is respectable, but not more than that, in a country where the pasturage is so abundant. The yield of butter, 112 pounds to a cow, is much less than it should be. In Cheshire, Mass., 500 lbs. of new milk cheese and 25 lbs. of butter are not infrequently obtained to a cow, in dairies consisting of thirty and forty cows, and we have known, of butter, 180 lbs., 200 lbs., 212 lbs. obtained to a cow, where several cows have been kept. We speak in this case of native stock altogether; what might be done with the Improved Stock and with better keeping, remains to be seen.

Premiums appear to have been bestowed upon three farms, although ten farms are briefly referred to. The names of the successful competitors in these cases do not appear, and in only one ease is the town referred to in which the farm is situated. This is a singular omission, for which undoubtedly the committee had their reasons, but do not give them. No. 5 particularly, is represented by the committee as being "as fine a farm, in all respects, as the county affords. There arc on it 750 rods cedar post and board fence and 350 rods staked with perpendicular stakes." Now it must be admitted that this is a very meagre account, and about as instructive as if the committee had told us of a farm in the moon of as many acres and with just as many rods of stone wall.

We like very much the suggestion of the committee to give a premium to the best farm in each town; and we mean no disrespect in remarking upon the deficiencies of their valuable report; but the object of agricultural premiums is not merely to stimulate agricultural skill, industry, and enterprise; but also, and chiefly, to obtain from another man's success such information of his mode of operation as may enable us to obtain similar results. From a farmer, who becomes the subject of a premium, we should have so extended an account of his whole farm management, operations and experiments, that his farm may serve as a pattern and guide for others. But where not only the farm management is not detailed, but even the names of the farmers and the places are not given, certainly the public are little benefitted; and one of the best objects of giving premiums is entirely defeated.-Ed.

Jefferson County Agricultural Society. Paid in premiums, \$385 00.

The viewing committee visited twelve towns of the county, and inspected twenty-two farms and eighteen dairies. It is the unanimous opinion of the committee, that the premium should hereafter be given for the best farm in each town.

Desirable Improvement.-We distinguish a most gratifying improvement throughout the county. The committee regret that less attention is paid to ornamenting the front yards of the new houses with shade trees and shrubbery, than they deserve. Attention paid to these interesting objects, is labor well applied.

Fallows Manured .- We observed a great deal of land sowing to wheat. We never saw fallows in finer condition. Among the gratifying improvements every where observable in our husbandry, the renewed attention now paid to manuring the fallows is very conspic-

were raised without manure; but the generality of our lands demand it. Diligent attention paid to accumulating heaps of compost for our fallows, can alone ensure us a reasonable prospect of a profitable crop. Whether lime can not be used to as great advantage, as in some of the older States remains to be seen. To our knowledge the experiment has not, as yet, been tairly tried.

Apple Orchards.-We saw enough to convince us, that with proper attention, the common prejudice that apple trees will not flourish well north of the Black river is erroneous. We passed some as fine orchards in this section, as are to be found in any other parts of the country

Fencing.-Great improvement has taken place in fencing. Some farms that we visited are almost wholly fenced with straight post and board fence, thus making a great saving of land, as well as a permanent and handsome barrier.

Public Roads .- We found the roads perfectly good; though much of this is owing doubtless to the dry season, yet in turnpiking and bridges there is a gradual improvement. In the town of Alexandria, the newest in the county, we found the roads fully equal to those in the oldest town.

Canada Thistle.-We caw less of that pest to our farms, the Canada thistle, than has heretofore been observed. Our good farmers have learned to exterminate them by thorough ploughing and mowing. It is the duty of the path-master to have these cut from the roads, but surely no good farmer would allow them to remain on roads passing through his farm, even should the overseer neglect his duty, which is manifestly the case in some places.

Size of Farms .- One great error in our farming, observed by us as well as others, is in having too large farms. Except for grazing, it is questionable whether a farm ought to exceed one hundred acres; and one half of this may be considered ample for a farmer who has not a family of boys to assist him. It is a fact often spoken of in the older portions of the State, that after the paternal farm has been divided among the children, as much is raised from the parts by increased attention to manuring and cropping, as was formerly raised from the whole. It is very certain that a small farm adjoining the village of Watertown, of about forty acres, is, by thorough culture and undivided attention to that small number of acres, made more profitable to its owner, Hart Massey, Esq., than some farms in the county of three times the size.

Silk Culture.- The raising of silk worms and the manufacture of silk, is, as we learn, in very successful operation in Carthage. The small children of the family can be employed in this occupation to great

Cheese Dairies .- The twelve cheese dairies we visited milked in all three hundred and fifty-four cows. By adding to the gross amount already made one third for the remainder of the season, we find that each cow will have made 309 pounds of cheese. At six cents per pound this brings the earnings of each cow to cighteen dollars and fifty-four cents for the year.

Butter Dairies .- The six butter dairies offered to our inspection milked one hundred and eight cows: adding one third to the amount now made, they will average one hundred and twelve pounds each; this, at fourteen cents per pound, is equal to fifteen dollars and sixty cents; a difference in favor of the cheese dairies of two dollars and eighty-six cents each cow.

Premium Farms:-The farm to which the first premium is given, contains about one hundred acres of improved land. The present occupant has been on it thirty-three years; he originally took up but forty acres, and having paid for that, has been gradually adding to it. It is a grazing farm, and in a high state of culuous. In the first settlement of the county, good crops | tivation, not a weed or a thistle to be seen upon it!!

There is on this farm, 550 rods of cedar posts and board fence.

The second premium has been given to a farm of 160 acres, 80 of which are improved. The owner has on it, 700 rods of handsome stone wall, nearly every rod of which was laid by himself. It has a fine orchard, and is in all respects in the most farmerlike con-

The third premium is awarded to a farm in the town of Alexandria. This farm is an example of what can be accomplished in a few years of patient industry. It contains 200 acres, of which 150 are improved. It is mostly a grain farm, in a high state of cultivation, free of weeds and thistles, and has been cleared by the present occupant within the last nine years. There are on it 1000 rods of black-ash fence.

Onondaga Agricultural Society.

This is a highly valuable report, and may be read with advantage by every farmer. Mr. Gaylord's notion that by keeping the locust tree shaded he shall avoid the attack of the borer, remains to be proved. We should be glad to know on what facts or experience it rests. The most successful experiment, we have known, in expelling and keeping off the borer has been made by Allen G. Metcalf of Lenox, Massachusetts. He washed his locust trees as thoroughly as he could with spirits of turpentine mixed with water. His trees were much infected with the borer. After this they were not found, and when we saw the trees, which was some years after the application, they had not returned.

Mr. Gaylord's corn it appears was much injured by the wire worm. We have known one good farmer, who was accustomed, after ploughing green sward, to take a crop of oats, that he might avoid the wire worm, as his corn always suffered severely when it was made the first crop in such cases. Another experienced farmer recommends not ploughing until very late, so that there may be a considerable amount of young grass turned under, upon which the worms might feed, instead of feeding upon the corn.

We gave an account in a late paper of a skilful farmer, who was accustomed to mix salt with his manure, by which he, from long experience, was satisfied that his corn was saved from the attack of the worm. From this and some other facts known to us, it seems quite desirable that salt should in some way be tried for this object. It is important that it should not be applied in too large doses .- Remember Lot's wife, poor woman!

Onoudaga Agricultural Society.

The farm of Silas Gaylord is on the west bank of Skancatelas lake, and about four miles south of the village. This farm contains 145 acres, 25 of which are covered with wood. The 120 acres are all arable land, and suitably divided into fields, on which is pursued a course of crops. A large share of the western part of this farm was formerly so wet as to be unfit for tillage. This Mr. Gaylord has very properly reclaimed by underdraining, which is a very profitable operation on lands which are so moist as to be otherwise untillable. Twelve hundred rods of stone underdrain are already constructed on this farm. The buildings are well located and in good repair. The outbuildings are extensive and convenient, especially the barn, which is very large, with cellar, shed or stabling, under the whole of it. This is a great improvement, as it requires no additional roof, and furnishes a place where stock can be kept comfortable in the most inclement weather; a convenient cellar for the preservation of roots, and a place for preserving manure from the great waste attendant on exposing it to the storms of winter and spring.

The farming tools are in good order, under cover and ready for use. The fences mostly in good order, and to perfect their seeds. All vacancies in the timber land are filled by transplanting locust trees, which are tracted for 22 additional gates to be erected this fall. taken from a nursery on the farm. By thus keeping the locust tree shaded, Mr. Gaylord thinks he shall avoid the depredations of the borer. The stock on this farm consists of 33 neat cattle, all of which are full blood or grade Durham, 4 horses, 15 hogs, and 74 sheep, of the improved English varieties. The division of the farm the present year, with the quantity of crops is as follows:

Wheat, 18 acres, 400 bushels. Barley, 10 do 300 5 do 100 Peas. do Oats, 5 do 200 do Potatoes, 2 do 320 do Corn, 5 acres, much injured by wire worm. Meadow, 30 acres, 60 tons.

Pasture, 45 do

The farm of Mr. Gaylord exhibits the practical good sense and untiring industry of its owner, and is well worthy of a visit from those who are designing to raise stock, or erect the out buildings which are necessary on a stock farm.

Your committee were next called to view the farm of Fletcher Woodward, situated on the turnpike, five and a halt miles west of Syracuse. This fa.m contains 236 acres, 225 of which are under improvement; all tillable, and in a high state of cultivation. This farm is naturally adapted to the raising of grain, and to this Mr. Woodward gives most attention. The course of crops which is produced is: 1st, corn or potatoes, on a clover ley, then oats or barley, which are followed by wheat, after one and sometimes two ploughings; then sows eight quarts of clover seed, two quarts of timothy seed, and three to four bushels of plaster per acre on the wheat, early in the spring, and pastures one year after the wheat is harvested. Mr. Woodward sows from one and a fourth to two bushels of wheat per acre, according to the time of sowing; prefers sowing from 10th to 15th September. Never sows grass seed with any crop but wheat; general average of wheat crop per acre, from 20 to 27 bushels; has raised 48 bushels per acre on small pieces. Corn is invariably raised on green sward, with one ploughing, harrowed down smooth, and struck out both ways; rows north 21-2 miles northeasterly from Syracuse. and south, 3 feet 4 inches east and west, 2 feet 8 inches apart. Plants early in May, with plenty of seed, coated with tar, and thins at hocing to 4 stalks in hill; plasters as soon as up, and again after second hoeing; uses the cultivator, hoes 3 times, and makes very little hill

Barley is generally sown on pasture land with one ploughing; general crop 30 to 58 bushels per acre; sows from 2 to 2 1-2 bushel- per acre; oats are cultivated after corn; sows 2 1-2 to 3 bushels per acre; general crop 50 to 80 bushels per acre.

Mr. Woodward's method of cultivating potatoes is to draw at the time of threshing wheat, (with a pair of horses and rope,) the straw, and deposit it in large bunches on a clover ley, leaving a narrow strip all around the field, on which no straw is put. In the spring this narrow strip is ploughed and harrowed fine; then drops the seed once in two feet each way; covers about one inch deep, and keeps the surface as near level as possible. He then takes the straw adjoining this circle, around the field, and deposits it evenly on the ground already planted, to the depth of about 4 inches, when settled together. This leaves another strip for ploughing, which is treated in the same manner as the first, and so on, until the crop is ready to harvest, which is usually from 300 to 500 bushels per acre. This farm is divided into fields of the average size of 23 acres. The fence consists of 963 rods of posts and boards,

a large share made of posts and boards. The fields good order. For the convenience of passing these neatness, and amount of produce as few, if any, farms are generally in good order, and few weeds are allowed fences, 33 gates are already hung, and the committee were informed by Mr. Woodward that he had con-The quantity of produce raised on this farm the present season is as follows:

> Wheat, 88 acres, 1760 bushels. 20 do Cern, 1460 do

1320 do. injured by drought. Oats. 33 do Barley, 25 do 750 bushels. Potatees, 5 do 1500 do

Meadow, 10 do 20 fons.

Pasture, 47 do

The steak kept on the farm consists of 12 horses, 28 next cattle, 83 hogs, and 150 sheep.

Mr. Woodward has given a practical illustration of the fallacy of the idea which is so often advanced, that the farmer cannot afford to be nice in his farming operations, and that the profits will not pay for an outlay of extra capital in improving the soil and fence. One of the committee asked Mr. Woodward if he took an agricultural paper, to which he replied-"I do, and have for a number of years, and have found it of great use. And could I have had the Cultivator, with the present light upon the subject of farming, when I first commenced, (18 years since,) I think it would have been more than \$1000 benefit to me."

The farm of Mr. Woodward exhibits in a favorable manner the beneficial effects of what is denominated the new system of husbandry. The antiquated customs of farming which our forefathers followed, are not so dear to him as to cause him to shut his eyes to the improvements which modern agriculturists are annually making in the science of farming. He is not se fearful of being called a "book farmer" as to refuse to take and read the agricultural publications of the day. He is not so fearful of being denominated a theorist as to refuse to try the improvements which are recommended in those publications; and his farm shows the eonsequence; it being well fenced, well cultivated, very productive, and very clear from weeds, none of which are suffered to seed. In short, everything shows that the operations on this farm are directed by an enterprising, intelligent, practical farmer.

Your committee were next called to examine the farm of Hiram Church, situated in the town of De Witt.

This farm contains 137 acres, about 100 of which are under improvement, and all suitable for tillage. It is divided by a good cedar fence into fields containing about, 10 or 12 acres each. The produce of this farm the present year is,

30 acres wheat, 679 bushels.

4 do corri, 200 do do oats, 360 do

3 do peas, 75 do

1 acre potatoes, 150 bushels. 12 acres meadow, 21 tons hay.

22 do pasture.

22 do summer fallow.

Mr. Church prepares his ground for wheat mostly by summer fallowing, ploughing three times. His method of raising corn is much like that pursued Ey Mr. Woodward, except Mr. Church uses a small plough instead of a cultivator; consequently he makes some hill around the corn.

The stock kept on this farm consists of 9 neat cattle, 7 horses, 10 hogs, 60 sheep. Mr. Church makes liberal use of clover seed and plaster, and this practice your committee would earnestly recommend to every

The farm of Mr. Church is newly improved, compared with the farms of Mr. Gaylord and Mr. Woodward; but is naturally choice grain land; and we doubt not, with the industry and enterprise which Mr. 215 rods of full wall, and 180 rods of half weit, ail in Church exhibits, it will soon show such a degree of much earlier.

ean new exhibit.

Royal White, of Onondaga, called the attention of the committee to a field of wheat, containing four acres and fifty-two rods, which Mr. White informed us yielded t67 bushels of wheat. Method of cultivationbroke up about the middle of June, about ten inches deep, and immediately harrowed. Ploughed and harrowed again the fore part of August. Ploughed and harrowed the third time the 10th of September, and inmediately sowed with seven bushels of Canada flint and white flint wheat. Three-fourths of an aere of this piece of land was sowed with peas, and was ploughed but twice.

Col. W. Abbott, of Otisco, presented a fine sample of spring wheat, which he originated by a series of experiments from the bald flint, which is a well known variety of winter wheat. For an account of his experiments we would refer to page 138, of volume 9 of the old Genesce Farmer.

The committee recommend that the first premium on farms be given to Fletcher Woodward. The second to Silas Gaylord, and the third to Hiram Church.

It was unquestionably the intention of the Legislature, when they passed the act for the promotion of agriculture, and devoted a part of the funds of the State to that object, that the money so distributed, should be applied in the way best calculated to benefit the agriculture of the State. To do this, it was not deemed enough that agricultural fairs should be held, and the money expended in premiums, but provision was expressly made for giving the greatest publicity to the modes of agriculture adopted, or the different processes pursued, by the successful applicants for premiums. No premium was to be awarded, until the statements referred to, had been made, as without the knowledge that could be gained in this way, one half of the advantages to agriculture, proposed by the State in its appropriation of funds, would be wholly lost. All such statements, reports, vouchers, &c., made to the several county societies, were to be transmitted to the Executive Committee of the State Agricultural Society, whose duty it would be to select, compare, condense, and arrange into a report to the Secretary of State, such papers, statements, &c., as should be deemed best adapted to subserve the cause of agriculture in the State. The Executive Committee regret to say, that in too many instances, these requisitions of the law appear to have been entirely overlooked; and that where partial returns have been attempted, they have in most cases, been very meagre and unsatisfactory, barely an approximation to the returns contemplated by the provisions of the act."

Sowing Plaster .- Many farmers suppose that plaster should only be sown after spring vegetation has advanced : this is evidently a mistake, as plaster must be dissolved before its manuring properties are developed; rain, frost, and even snow, ere necessary to effect this result; hence some have observed that their plaster did no good in a dry season of the first year.

What shall Farmers do, when Doctors disagree?-It has been said that plaster thrown among horse lit ter will seize upon the ammonia of the urine and preserve it with the manure. I believe this is agreeable to Leibig's theory ; but other chemists say that the lime in the plaster will certainly expel the ammonia.

Fall Ploughing .- Some farmers condemn fall ploughing, because it does not succeed on an essyfriable soil. Is this any reason why a stiff clay should net be improved by it? A clay garden with long manure ploughed under in the Isll, will save much tedious labor in the spring, besides vegetation will he



ROCHESTER, AUGUST, 1842.

AGRICULTURAL EXCURSION.

By the invitation of several respected friends in Monroe and Livingston County, the editor has had the pleasure of passing a few days with some of the excellent farmers of the Genesee Valley. 11e gratefully acknowledges their kindness and hospitality. He could not have had a more delightful excursion. He is never more at home than among the farmers, and truly envisble is the condition of the residents of this charming country. He has taken the liberty of adding some hasty and superficial observations made in this jount in reference to the agricultural condition of this region, which he trusts will give no offence, and which will be extended when he has more room. They are given not from any conceit of their valuevery for from this; but in the hope that they will call attention to the subjects adverted to, and elicit communications from those whose intelligence and experience would greatly instruct the agricultural commu-

The Genesee Valley.

The river Genesee rises among the high lands of Pennsylvania in the neighborhood of the Susquehanna. Winding its way among the mountains, it enters New York by the Southern side of Allegony county, passes into Livingston county, which it divides longitudinally nearly in the centre, and after traversing the whole breadth of Monroe county pours its rich tribute into Lake Ontsrio. At its ordinary level it presents an average breadth of only a few reds. Its course is remarkable for its windings and doublings-It has some rapids; and it has at least six considerable falls, all within New York, of remarksble picturesqueness; and at high water, of singular beauty and grandeur. Its rapid torrents, its brilliant cascades, its sweeping and in some cases its terrific floods, and its lofty and precipitous walls, rising for a considerable length of line to a height of 400 feet and presenting in some instances, perpendicular cliffs of 600 feet, are objects of attraction to men of taste, the geologist, and the curious traveller. In these respects they are surpassed in the Northern United States only by the world's wonder, the giant of the waters, Niagara.

The river, after successive leaps and rapids soon after leaving Allegany county, at Mount Morris becomes a quiet and in low water a sluggish stream, hordering on each side meadows and alluvious of large extent and eminent fertility. At the village of Mount Morris the river may be said to enter the Genesee Valley. Here the flats begin, forming an extensive region of alluvial meadow, surrounded by hills of medium elevation and of easy and gradual ascent, presenting an expanse of an average width of more than two miles, as nearly as the eye would enable me to judge. A large portion of this land is cleared and under cultivation. It was to a degree cleared when the whites first came into the country; and was a favorite resort of the Indians, whose judgment directed them to select the most fertile as an instinctive taste lad them to spots the most picturesque and beautiful. A considerable portion is still occupied by a deep and dense forest of extraordinary magnificence: The parts which are cleared, are adorned, or perhaps it might be properly said, left with excellent taste, as they

and there a single tree of beautiful proportions, sometimes a belt of considerable length, and at other times a clump equally as grateful in their shade as they are exquisite in their form and foliage. The largest tree that has ever come under my observation, is an oak on the mesdow of Mr. Wadsworth in Geneseo, being full eight feet in dismeter, standing out in its majesty as the contemporary of other generations and the mute historian of departed centuries. Under its shade the imagination naturally reverted to days gone by and to the changes which have transpired during its long reign. The wild children of the forest, who were accuatemed to gather under its spreading branches to celebrate their rude festivities or held their councils of war, have all departed; and the quiet and rejoicing herds, marking the progress of civilization and humanity, repose securely around it. The council fires are extinguished; the deadly arrow no longer rustles among its boughs; and the warwhoop and shricks of vengeance, which once filled these valleys with terror, have given place to the songs of harvesthome and the gentle and peaceful undulations of the village bell. Everywhere among these mesdows, clad in a verdure of surpassing depth and richness, and waving with their golden harvests, cultivation has triumphed over the rudeness of nature, and art and skill and taste display their brilliant trophics.

It was once asked what was the use of rivers. and the reply was, to feed canals with. Acting opon this assumption, the State has penetrated the whole of the Genesce Valley, from Rochester to Dansville, with a canal, and availed themselves of the waters of the Genesee river to fill its banks. The line of passenger boats on this svenue are of the best description. The canal from Rochester passes for some distance through an uncleared forest of extraordinary growth until presently it emerges into a highly fertile and cultivated country, and for its whole distance to Mount Morris, as far as we pursued it, intersected an agricultural country as rich as the eye could rest upon. and dotted all over with flourishing villages and the abodes of rural wealth and independence. Nothing seems wanting to render the picture perfectly enchanting but an expanse of water; and if nature had seen fit to spread out in this valley a loke like that of Canandaigua or Seneca, the imagination would have had no difficulty in recelling all the beauties and splendors of the primeval state.

THE SOIL .- The soil of the country varies some. what in different places, but is throughout strongly aluminous and calcareous. On the meadows or flats it is alluvial and full of vegetable mould, the washings and gradual deposits of the hills, and so clayey as to be used with advantage for bricks. In some cases on the uplands, it is so strongly clayey as to be cold and heavy, and unfavorable to any grain crop and difficult and discouraging in the cultivation. The best soils are undoubtedly those of a gravelly nature; with clay enough to render them tenacious; and full at the same time of small and finely comminuted stones, which are supposed to be limestone, though ss well as I could learn no exact chemical analysis has been made in any case. This kind of soil prevails in Wheatland, Caledonia, York and other places, and is eminently productive. On Mr. Wadeworth's farm in Geneseo, I found a marly substance composed of lime and clay, which readily effervesced with acids, indicating the presence of carbonic acid. In the hilly portions of Mount Morris, the crops were later than in the valley region, but promised most abundantly. Here, it was stated to me, no lime is found. These lands, however, have been much more recently brought under cultivation than those which I have before adverted to. The best crop of wheat which I found in my whole journey, though by no means the

to its evenness, cleanness and fulness, was in this part of the country on the farm of James Conklin of Mount Morris. It was of the red chaff variety. None of these soils as yet, however, exhibit any diminution of their product, though in some cases the cropping is severe and often without manure.

CROPS.-The crops cultivated in the county are almost wholly whest, oats, and grass. Wheat every where predominates, and is the article on which the farmers mainly depend for their cash returns. On the alluvial meadows herds-grass, red top and various natural grasses prevail; on other lands, subjected oftener to the plough, clover is mainly cultivated.

Of all the crops, wheat claims the principal attention of the farmer. The average crop, as rated almost unanimously by the intelligent farmers whom I consulted, does not exceed twenty bushels, which is certainly very much below what the land is espable of producing. Where the error or deficiency lies, if error or deficiency exist, is not readily perceived; but if possible it is most desirable that it should be ascertained. The quantity per scre of seed sown is about 11 or 11 bushel, and the general practice is to wash in brine, and lime the seed before sowing. The time of sowing is from the first to the 15th September. One or two farmers spoke of the adventage of putting in their seed the last part of August.

Much larger crops are sometimes obtained, and I eaw several fields of large extent, which might enfely be put down at thirty bushels per acre. Mr. Sheffer near Scottsville, one of the earliest settlers in the country and the owner of a magnificent farm originslly of 700 acres, in Monroe county and intersected by the conal, in the early settlement of the country obtained from forty scres of land in a single field, 2500 bushels of wheat, which was at the rate of 623 bushels per acre. Within a few years, Mr. Hall, in the centre of Whestland, on 12 centiquous seres of land, obtained 648 bushels, or 54 bushels per acre. A neighbor of his, Mr. Blackmir, obtained in one case 68 bnehels per acre.

Not having had the pleasure of an introduction to either of these farmers, I could not accertain what particular circumstances of soil or culture enabled them to produce crops so extraordinary. No such results are matter of accident, or, as it is often termed, luck, and must in a great degree depend on some peculiar superiority in the condition, cultivation, or management of the soil. The best cultivation in England and Scotland produces 50 and 60 bushels of wheat to the acre. Now there is no circumstance connected with our climste, soil or condition, which should prevent the wheat formers in the Geneses valley from producing as much as can be grown by any farmer on any land in the world; and the difference between 20 and 50 and 60 bs. in the produce of a field. certainly deserves all consideration. The crops of Wm. Garbut of Wheatland, whose farm for its condition and crops, strongly attracted my attention, usually average twenty-five bushels per acre. There cartainly is no reason why our friends Garbut or Harmon, two of the best formers in the country, should allow themselves to be out done by any farmers in any

Mr. Harmon of Wheatland, has taken great pains in the cultivation of wheat, and made experiments with several kinds of wheat, having cultivated them separately with a view to ascertain their comparative times of ripening, their hardiness, their proof against or freedom from injury either by insect, rust or mildew. He is still pursuing these experiments with great care. At the Monroe Agricultural show he exhibited twelve different kinds in grain and in sheaf, with a view to attract the attention of the farmers to this important subject. He has now growing several were adorned in their original condition, with here most extensive, that which promised best in to pect of the bald and bearded varieties, among which are the Talavera, the Provence, the Virginia May, the Red Chaff, the Hutchinson and the Crate, besides others; and of the comparative result he has kindly promised a full account.

He desires me !! kewise to say, that if farmers will apply to him for seed, they may rely upon that which is clean and genuine. I can have no doubt that this warranty may be entirely relied upon-

OATS are here a remarkable crop. I have never seen heavier crops any where. The out usually cultivated is the common branching out, and weighs 32 pounds per bushel and yields ordinarily forty and upwards of bushels per acre. I saw one field of the Tartarian or Horse Mane out, so called from the panicles hanging all on one side. This I think was at the Shaker settlement in Groveland, and in their cultivation usually yielded from 40 to 60 bushels per acre. The largest growth of the common out I saw on the rich meadows of Mr. Cuyler in Leicester; they were nearly five feet high throughout the field. Their yield, though it must be matter of conjection, would probably not be less than 60 to 80 bushels per acre. But by far the best field of oats which came under my notice, was on the well managed farm of R. Harmon in Wheatland. It was the Scotch potato oat, weighing ordinarily 44 lbs. per bushel, and must yield a very large crop. This oat is said to degenerate after the first year's cultivation. It would be well to inquire what occasions this degeneracy.

The amount of seed sowed is 23 bushels per acre. Mr. Harmon informed me that in one instance he obtained forty bushels from 15 qts. sown. I found some farmers who were accustomed to sow three bushels per scre. The black oat is sometimes cultivated, but I know no advantage which it has over any other.

RYE appears to be scarcely cultivated here. I saw in my journey only one field. Where as much wheat can be obtained as rye from the same extent of land and with no greater expense of cultivation, the superior value of the wheat product leaves no ground for hesitation as to which to choose.

BARLEY. -- Of Barley I saw many fields and some very heavy. The average yield stitted to me was 28 bushels. Wm. Garbut of Wheatland, gives me as the average product of his fields, forty bushels. He sows the double in preference to the four rowed barley, and considers one bushel of barley as food for any stock, equivalent to a bushel of corn. Some extensive fields on the Genesee Flats must yield more than forty bushels to the scre. The breweries in the country formerly created a large demand for barley, but the progress of temperance has greatly abated this demand.

PEAS.-Peas are considerably cultivated, and under successful management yield forty bushels per acre. This, however, is an extraordinary yield. They are mainly cultivated for stock, the grain being quite equal to corn for sheep, and the haulm, when well saved, is as antritious and as much relished as any long feed which can be given them. A pea called the grass pea I found growing in two instances, in the one for the use of Bees, for which purpose it was sown broadcast and much esteemed; in the other, as mat ter of experiment, in order to ascertain its yield and its value. It did not promise much.

INDIAN CORN .- This may be considered as a rare crop in the Genesee Valley, and the cultivation of it inferior. Mr. Wadswarth gave it as his opinion that the average yield was not over 25 bushels per acre; but Mr. Bond, an experienced and intelligent farmer, that it will begin at a dollar but soon go down to 75 etated that with good cultivation fifty and seventy-five bushels per acre might be had, and he had himself known instances of II6 bushels per acre. Indian corn is evidently not a favorite, and is fairly distanced by its great competitor, wheat. There may, in the

ces, be good reason for this; but when the value of the grain and the value of an acre of well cured corn fodder are both considered, when sheep, or horses, or horned cattle are kept. I believe that the corn crop de-

serves much more attention than it receives. I was surprised at the statement of Mr. Brooks of Brooksgrove in Mount Morris, that corn to use his own expression will not grow there upon newly clear

ed land even when it has been burnt over; and that the land must be sometime under cultivation before a crop of corn can be produced. This is contrary to almost universal experience in other places, where newly cleared and burnt land is considered highly favorable to corn. I am at a loss to account for this, but I cannot demur to so high authority. Large crops of wheat are obtained here. The growth is principally oak on the high lands, with some sprinkling of hickory; on the lower and moist lands we find much rock maple and elm.

POTATOES are not largely cultivated. They are valuable for sheep; but the present prices of pork and beef give no encouragement to their cultivation for swine or caute. That potatoes are much more valuable for sheep and cattle than ruta baga, I have no doubt : but as many bushels are not usually obtained on the same extent of land; and the care of preserving and the cost of seed, and the labor of harvesting favor strongly the cultivation of ruta baga in prefe-

ESCULENT VEGETABLES-In so basty an excursion through the country and so superficial a view as was in my power, it would be presumptuous in me to speak with confidence on any subject connected with the husbandry of the country, or think to afford much knowledge in relation to it. I can only say that I saw but a single instance of the cultivation of esculent vegetables for stock. This was on the farm of Mr. Garbut in Whestland, who had several acres in carrots, beets and mangel wartzel. I must leave it to some other occasion to discuss the pros and cone in relation to this matter.

Of FLAX, I saw only one field and that at the Shaker village in Groveland. It appeared well. The habits of this industrious people, who, as a general rule and as far as it can be done, produce and manufacture all their own clothing, lead them to the cultivation of flax, which is in a great measure abandoned by other farmers. This crop I am persuaded might be culti vated to advantage by many farmers. Where 300 lbs of lint and fourteen bushels of seed can be obtained to an acre, and this is not uncommon under good cultivation, the crop will yield an ample compensation for its expense. (To be Continued.)

Crops and Markets.

Throughout the whole country the crops of whest and grass are represented as most abundant and fine. There are some small complaints of rust in some places, as indeed there always will be, but they are of little moment; and a finer season for harvesting never was known. It has been alreast unexampled.

Indian corn, likewise, which at first seemed likely to fail, is making rapid advances, and promises a good crop. The same with petstees, barley, and all other producta

The crops of wheat in Ohio and Michigan are likewise as good as was ever known. The price of wheat in Rochester can hardly be considered as settled or even fixed, as no new wheat has as yet come into the market. Some millers have expressed the opinion

The Beef and Pork markets at New York and Boston remain without material change. Probably a much smaller quantity of pork will be made this season than usual, and the prices for pork or for live hogs condition of the market and various local circumstan- lare not likely to recede from their present position.

Wools of a fine grade command only 25 cents; and in many cases only half of this is paid in cash, and the rest in cloths. The free importation of South American wool costing less than 8 cents, and the raising of wool on the Western Prairies, for which there are large preparations, must keep prices down, tariff

In the midst of the greatest plenty that ever fell to the lot of any country, we are crying our eyes out for distress; and the National cow, with a swimming pail of milk under her, seems determined to kick it all over.

Prospect of prices of western agricultural products. -As over-production and a reduction of the currency have reduced the price of most manufactured commolities, and steam is now employed on the prairies to drive the plough, it would be very strange if agricultural products (pork excepted) did not also decline in price. The cash received for a bushel of wheat, will now purchase in this village, 10 lbs. of good Rio cof fce. or 20 lbs. of inferior N. O. Sugar. A pail of butter will exchange for a bundle of domestic calico and muslin, as large in bulk as the butter itself .--Ought farmers to expect this unequal exchange of commodities to continue so much in their favor slways? I think net.

Flour is now selling in New York at \$6 the barrel to export to England; if Great Britain has good crops this year, and there is no failure of crop on the continent of Europe, nothing can prevent very low prices for flour in New York in one year from this time, but a failure of our own wheat crop, which is improbable, or a partial failure of our summer crops, which, from present appearances, is very possible. In either case farmers must expect and prepare themselves for small profits, as high prices from failure of crops is a calamity, which compels even the farmer to cat dear food, It is common for farmers to complain of the low price of wool, yet wool is much lower in Europe than in the United States; the English manufacturer gets fine wool from the continent for 25 cts. a pound, while our manufacturers pay our own farmers 40 ets for wool of like grade. The fact is, what is a low price to an extravagant, expensive man or family, is a high price to those whose wants are fewer, who practice a better industry, economy, and self-denial! In this reduction of profits and the consequent means of expenditure, who does not see a precious result, even to the farmer? Ask a thriving, wealthy American lord of the soil what are his troubles; if he is honest, he will tell you it is the effeminate habits and expensive wants of his children. With uninterrupted pecunia. ry success, where would these troubles end?

Waterloo, 8th June, 1842.

Protective Tariff .- A former who writes in the May No. of the Northern Light, says that a high tariff would "make us farmers work harder to obtain the same amount of enjoyment," and "protect our industry much in the same way that it would be protected by compelling us to resume the old fashioned wooden mould board, and throw sside the cast iron plough." But the other side of the question is ably maintained in the same capital monthly-it has two sides. S. W.

Culture of Potatoes .- If they are grown in a warm dry country, as between Syracuse and Buffalo, put no stable manure in the hill; but if on cold Hemlock soil, where it rains or snows at least once a week. they may be covered in the hill with warm manure without any danger of burning up the tubers. Providence is truly kind to such countries, in giving them grass and potatoes, such as would make a western villager's cow laugh, and his own mouth water. If they can't grow gourd seed corn, neither can they even in their wet grounds, raise miasma enough to furnish a single case of fever and ague.

On Ploughing in Green Sward for Wheat .--Green Vegetable Manure, and the Land made to enrich itself.

MR. COLMAN-The objections of your correspondent "Turmpseed," page 106, be it observed, are entirely theoretical, the result of mere opinion. Not so Agricola's remarks, page €, for they really appear to be based upon experimental linet. Which are we to choose? I for my part have a guess, that our friend A will bring his harrow to work pretty smartly in th a case, which will satisfactorily settle the question, it in 'ced such be not already done. Probability favors his observations, irasmuch as the mellowness of the soil is at all times favorable to its fertility. The burning influence of the sun upon land deprived of its natural vegetable coating, is prouliarly impoverishing, and it seems probable that the longer this unnatural exposure is kept up, and its surface varied by repeated and rough ploughings, the greater injury it sustains by summer heats, and the more need will there be for the mellowing ingredients of manure and other dicasinga. If the land be rolled and dressed to receive the seed after a single ploughing, it is clear that the exposure of the whole body of the foil to the influence of the sun's rays has not been so complete as in the former instance of repeated ploughing; nothing more has been done than is requisite to destroy the former vegetation and prepare for the intended seed, which soon comes up and protects itself and the land from the parching heat by throwing out the blade that protects the root. Now it will be observed with the slightest attention, that of the three methods proposed, page 6, that by the first a good crop of clover was eacriticed to begin with, and the subsequent ploughings served to perfect its destruction, together with such weeds as might have been present, and yet with all this, plaster must be freely used; in the other two plans as before alluded to, the land was not exposed more than was requisite to destroy former vegetation.

I might add more, but leave the subject to the discussion of abler individuals, and dismiss it with earnest good wishes for the success of both parties.

Yours respectfully, Rochester, July 5, 1842.

The suggestion of our correspondent that land suffors by exposure to the sun without any vegetable covering, is very questionable and by no means an established philosophical truth. The soil undoubtedly gathers much of its fertility from exposure to heat, light and air. It suffers, however, when the vegetable matter in it is brought to the surface, and there being decayed, may be said to be evaporated instead of being retained as so much humus in the soil.

Since the remarks in our last in relation to this subject, we have visited the farm of Mr. Cornell in Henrietta, Monroe Co., who has been in the habit, for the last five years, of ploughing only once for wheat and turning in a clover ley. His enceess in this practice is complete, and there is probably no turmer in Western New York, whose crops yield a higher average. By this process fallows are entirely abolished; and his land is always under a crop.

We shall give in this paper an account of Mr. Keeley's experiment, to which we referred in our last, and some remarks made at a late meeting of the Royal Agricultural Society on the same subject, where, by a curious coincidence, it is advised to sow mustard with a view to its being ploughed in, in order to enrich the ground .- Ed.

On the Cultivation of Rye .-- John Keeley's Statement.

To the Trustees of the Essex Agricultural Society:

GENTLEMEN-Having for some years past been more than commonly successful in raising large crops

sestion of some gentlemen whose judgement I very much respect, to submit for your consideration a statement of the mode of culture with the produce. And that the success of the experiment this season, may not appear to be altogether accidental, it will perhaps be as well to communicate the result of the process for the three or four picvious years.

The land on which the experiment has been conducted is situated on the Merrimack, about a mile and a half east of Haverhill bridge; and come into possession of my tather 14 1527. The soil is a sand, proaching to loam as it recedes from the river. Perhaps the term plain land (by which it usually passes) will better convey an idea of the quality of the soil.
It is altogether too light for grass. The crops we find most profitable to cultivate on it are winter rye. Indian corn, potatoes, and to some extent turnips. Onts might probably be raised to advantage, were it not that the land is completely fit ed with the weed commonly called charlock, which renders it entirely unfit for any spring crop, excepting such as can be heed. The crops of rye, on the neighboring soil of the same nature, vary I believe from seven or eight, to twelve or thirteen bushels per sere, according to the cultivation and their approximation to the river. We usually raise on the land from thirteen to thirty bushels of Indian corn per acre. Pointocs are very good in quality, but the quantity is quite small; not sufficient to be profitable, were it not that the land is very easily culti-

In the summer of 1827, we sowed three bushels of winter rye near the niver, on about two acres of land, which produced twent; eight busheln.

In 1828, we sowed four bushels on four acres of land running the whole extent of the plain from the river. This piece was sowed in the spring withouts; but they were completely smothered with charlock, and about the middle of June, the whole crop was mowed to prevent the charlock seeding. By about the unddle of August, a second crop of charlock having covered the land, it was ploughed very carefully, in order completely to bury the charlock; and then suffered to remain until the 15th of September, when we began sowing the rye in the following manner. strip of land about twelve yards wide was ploughed very evenly to prevent deep gutters between the furrows, and the seed immediately sown upon the furrow Then another strip of the same and harrowed in. width, and so on until the whole was finished. We found the out stubble and charlock entirely rotted, and the land appeared as if it had been well manured, though none had been applied to this part, since it had been in our possession. The type sprung very quick and vigorously, having evidently derived great benefit from being sown and sprouted before the moisture supplied by the decaying vegetable matter in the soil had evaporated to any considerable extent. This crop produced 133 bushels.

In 1829, the charlock was suffered to grow on the land appropriated to rye, until it had attained its growth and was in full blossom. The land was then ploughed very carefully and the charlock completely covered in. In a short time a second crop appeared more vigorous than the first. This also was allowed to attem its growth, and then ploughed in as before. third crop soon appeared, which of course was destroyed when the land was again ploughed for sowing about the middle of Scattenber. This piece of land was a parallel strip running from the river, and containing two actes. Two bushels of tye were sowed. The crop presented a regiarkably promising appearance, and yielded seventy four and a half bushels.

In 1830, the land appropriated to rye included nearly all the lighter parts of the soil, and owing to a pressure of business was not attended to na we could have wished. It was ploughed in the early part of the But harrowing to destroy the weeds was substituted for the second ploughing. This, and the unusual blight which affected all the grain in this part of the country, led us to anticipate a small crop. It yielded however tifteen bushels to t'e acre.

The land on which the crop of rye was raised the present senson, had for the three or four previous years been planted with Indian coin. And owing to the extent of our tillage land, we have not been able to apply more than four or five loads of manure to the acre this season. The charlock was suffered to attain its growth as usual; and on h: 18th and 19th of June it was carefully ploughed in. The second crop was ploughed in on the 6th and 7th of August. On the 14th and 15th of September it was sowed in the usual manner, namely : a small strip of land was ploughed and the seed sown immediately upon the furrow and of winter rye by a process of cultivation which I believe is entirely new; I have been induced by the sug-ploughed, and so on until the whole was completed. bushels). In 6 or 8 weeks a very heavy, fibrous, lux-

One bushel per acre was sawed as neval. The good was originally obtained from a farmer in this vicinity, and I suppose is similar to that which is generally We have never prepared our seed in any manneed. ner, but have directed our attention solely to the preparation of the land; and to this we attrionte our success. Owing to the unusual severity of the winter, the crop was considerably winter killed : but recovered very soon in the spring, excepting in the midfur-rows. There, as the land her very level, the water level, the water settled and so completely destroyed the rye that they continued have the whole season. This would of course cause some diminution in the crop ; perhaps a bushel or two. The rye was reaped at the usual season, and, as the weather was faverable, immediately put into the barn. The land contained one acre and thirteen rods, and yielded forty-six bushels and three pecks. A remarkably fine sample.

In catering a claim for your premium, I would ask your attention particularly to the process of cultivation. It is, I believe, entirely new; and capable of general application.

Sowing the seed immediately after the plough, we consider very advantageous to the crop. The soil being then moist, causes the seed to spring immediately, and gives a forwardness and vigor to the plants which they ever after retain.

The process of pleughing in three crops of weeds before the seed is sown very much enriches the soil. t would be altogether unnecessary to attempt to refute the notion, that by such a process nothing more is applied to the soil, than was before derived from it. If one could not discover by the light which Chemistry has shed upon the subject of agriculture, sufficient reasons for the contrary conclusion, observation, one would think, would be sufficient to convince any intelligent man of the fact.

And here I would suggest that I do not consider the experiment as we have conducted it, quite complete. To render it more so, in the first place, in ploughing in the weeds, I would not turn a furrow plete. after the dew had evaporated. I have no doubt but that a large portion of that fertilizing quality in the soil, which (during the summer months) is continually exhaled from the earth, is by the dew brought again within our reach, and it would be wise to avail ourselves of the opportunity of again burying it in the soil. And in the second place, I would by all means use a heavy roller ofter each ploughing. would fill all the cavities left by the plough, and by pressing the soil more closely to the weeds, at once hasten their decomposition and very much retard the evaporation from the soil.

But the land is not only very much enriched by this process. There is, I conceive, no method by which it can be so effectually eleaned. Three times during the season, a fresh surface is presented to the stmosphere, and each time, as the decaying vegetable matter increases in the soil, so is the exciting gause angmented to make a more vivorous effort. We have in this manner gone over nearly all our land which is infested with charlock, and the diminution of the weeds is quite sufficient to warrant the expectation, that in a few years it may be computatively cradicated. Very respectfully,
JOHN KEELY.

Haverhill, Sept 22, 1832.

The subjoined statement was made at a meeting of the Royal Agricultural Society in England on first of June last. It is not a little remarkable that this experiment of Mr. Cawston so strongly confirms the results of Mr. Keeley's experience. These cases are among the most striking on record of the value c, ploughing in green manure; and show that the means of enriching the soil at a trifling expense are within the reach of every farmer.

Vegetable Manure.

Mr. W. W. Cawston, of Worlington, near Mildenhall, in Suffolk, transmitted the following result of his experience in the ploughing in of green crops-" I am not aware that the attention of the agricultural world has been drawn to the following process, which I have had many opportunities of seeing tried with the most decided and beneficial effects in this neighborhood. When trefoil has been seeded, clover or other layers failed, peas or tares grown, or a clean summer fallow made for wheat, in the middle of August, or thereabout, skeleton-plough, or plough very flat, and sow a peck of white mustard seed (smapsis alba) per acre; barrow in with light drags, clean off any grass or rubbish; and as soon as it is well up, top dress with a triant crop will be ready to be ploughed in for wheat its soon as the dowers are beginning to open. Thus speration may be easily accomplished when the plant as itsen 3 or 4 feet high, by attaching a chair to the lead and handle of the plough, which will completely draw it all into the furrows, and the following land suries it neadly. A large supply of vegetable manure a thus cheaply obtained, and the reed costs now about 2s. 6d. per peck; while the mustard, if wanted, is excellent feed for ewes at tupping time. If any further directions should be deemed useful, I shall at all lines be most happy to supply any information I may sessess."

We give with the greatest pleasure the subjoined ommunication, quoted from the New England Farner of the 23d of March, first, because of its intrinsic alue and interest; and next, because of the source rom which it comes, Morrill Allen of Pembroke, class, one of the most practical, intelligent, and sucessful farmers in the country. We take the liberty jog his elbow as ours is every day jogged, to remind im that the time is short, that what we do we must do uickly; and that he is bound on every principle of uty and humanity to let the world have the henefit of is rich experience before he leaves it, especially as he now taken out of the yoke. It may not seem very ecoming for us to catechise an old friend in this way ut we hope he will remember that five hundred iles makes no defference in the affections; the chain f friendship disdains all distance and reaches alike om pole to pole and from earth to Heaven From the tter place, however, agricultural communications will ot be so direct as here, excepting in the form of dew ad rain and air and ten thousand other blessed influnces, but not in the way of pen and ink. This is onfined to earth; do therefore let us hear from him hile here, and we will listen as reverently and as atefully as if, as we have often done, we were guests his hospitable board, or warming our feet (we canot say smoking the pipe of friendship, that we never but figuratively) at his kitchen fire.-Ed.

Leather Shavings for Manure.

Mr. Editor.—One of your correspondents inquires but is the value of a cord of leather shavings destite of oil. We should suppose it would be difficult find a cerd of those shavings, in any manufactory. tirely void of oil. There may, however, be operains exclusively in sole leather, which would produce em. We can speak only of the efficacy of the shav-gs in the shops of the shoemaker and currier. The in those shavings is no doubt a powerful ingredient, t connot be powerful enough to produce more than mall portion of the effects witnessed. The gelatine skins would be generally admitted to be a very efctive manure; this quality may seem lost in the conrsion of skins into leather, and there may be so firm combination of gelatine with tannin, as to dely the wer of the chemist to educe from the leather any ing strongly resembling the original qualities of the The laboratory of nature, bowever, will often ow results which that of the chemist cannot. prosed insolubility of leather shavings should not erate as an objection against the use, more than the ne supposition does against the spplication to land the hair and hoofs of animals, feathers and wool,

We did not sit down to write a dissertation, but to we an erration of facts. Forty years ago, we purseed a small farm of a shoemaker, who had cast the awings from his shop by the roadeide or in the corre ol olse. Our first object was to clear away those sightly heaps. We carried them into the fields, bering if the lessher could do no good, the vegetable betances would, which time had incorporated with

nich by general consent rank among the most pow-

ul of manures.

Every field on which these heaps were spread, come remarkably productive "—so much so as to extended to be a supported by the spread of the supported by the su

perceived there has been no course of experiments which could qualify us to give definite answer to full the questions of "Inquirer." We think, however, that leather showings are a good dressing for almost any description of soil; that they will assist in the growth of nearly every class of plants, perhaps monitrom preparing the soil for vigorous action than direct influences. We think three cords sufficient for one dressing of an aere, and believe the ultimate results of such a dressing would be greater than a dressing of six ords of the rehest barn mature.

M. ALLEN.

Pembroke, March, 1842.

From the Mark Lane Express

Beneficial Effects of Bran as Manure for Turnips.

Sir A letter appeared in the "Farmer's Maga-ne" of last year, giving the analysis of bran, (the busk of wheat) and recommending the farmers to try it as a substitute for bones and other mannes; and when tried as an experiment in compension with other manures, that the result of such experiment should be reported through some of the journals for the benefit of his brother agriculturist. With this request I am willing to comply. After losing two crops of Swedes successively in a field that had been drilled with ashes, I noticed the letters on this subject, and determined on drilling twenty-five strikes per acre of pollard, (the finer portion of bran) with the turnip seed over onehalf of the field; the result proved that when the men were put in to hoe the turning, they fancied the field had been sown at twice, and at an interval of two weeks; so great was the difference in the early growth -a most desirable point, as is assists their getting out of the range of the fly : this marked and sensible difference was always apparent throughout their growth, and at the disturity of the crop. There was as nearly as could be estimated an increased produce of onethird more in weight of turnips per acre, which must have arisen wholly from the pollard, as in all other respects the field and its treatment were alike.

The experiment has been to my mind so conclusive and satisfactory, that I intend drilling some quantity this year, and shall also try it with other crops besides turnips where the land is not in high condition. can be easily carried back by the farmers when delivering co n to their respective millers, therefore without any cost or expense of transit : it is now selling at about 4l. 10s. per ton, which is chemp for the benefit received when compared with the cost of bones, about 10t. or 12t, per ton, which makes it the more I would not recommend so much as six ewt. being used to an acre, but any quantity from six cwt. to five cwt. per acre, which would be at a cost of manure of about 11. 2s. 6. per acre for an increase of one-third more in produce. Should others follow, as I have done, the recommendation given in the letters before alluded to, it would only be fulfilling the duty we owe one another to report the result, more especially if it should prove favorable as in the above instance.

I remsin, your obedient servant,
WILLIAM MONK.

Midhurst, Sussex, April 14.

Garden Seeds.—Why don't seedsmen mark the year on their papers of seed, in order that the retailer may not impose old seed on the customers? nothing is so provoking, particularly in a backward season like this, as, after waiting three weeks, to find no beets or onions out of ground. If the doctrine that "honesty is the best policy," will apply to one trade more than another, it is to that of a seedsmen—many of my neighbors who are not pinching of a &d, now raise their own seed to avoid being cheated. Onion seed wants much soaking.

S. W.

Onondaga Salt.—The salt inspector at Salins has turned the tables upon the Albany Cultivator, for saying that "large quantities of lime were used in the adulteration of salt." Had the Cultivator said a little lime was used to discolor the red exide of iron which colored the salt, he would have nailed the inspector to the counter.

Indian Corn.—At the moment when the tempestress of account we had neither read nor thought much on the stry soving of scraps of old leather, we have been in a habit of cutting up old shoes and boots and spreadig them on fields, and always think there is an amount of the labor bestewed. It will be the server of turning the stalk into sugar, at a far greater profit to the sgriculturist, if report is true, then can be realized from the ripened grain. S. W. paper.

Asparagus Bed.

To J. S. who inquires what is the best mode of making and culturating an Asparagus Bed, we suswer that the whole affair, which was once hidden in mystery or rather involved a very complicated process, is now as simple as the simplest operation in husbandry.

Sow your seeds in a nursery bed in dalls and keep them clean of weeds the first year. The next year prepare your bed by trenching the ground fourteen to eighteen inches deep, always keeping the top soil uppermost; or, if the bed is to be a large one, by treuch ploughing, that is by passing twice in the same furrow with a plough, the second time with a plough without a mould board, or a subsoil plough; and manure the ground as highly as possible. After it is well prepared, make trenches with a spade or plough about eight inches deep and two feet apart; place your plants of one years growth in these trenches; put in upon the plants two or three inches of good well rotted er composted manure and cover them fully with dirt. Get the fairest and largest kinds of roots for planting. Keep the beds entirely clean from weeds. They may be cut the third year from the seed; and in cutting the plants, cut them obliquely about an inch below the surface. Cover the bed, if convenient, snnuslly, in the fall with stable manure two or three inches thick; in the spring dig it with a dung fork about six inches deep, and take the bed clean. These directions will almost insure success. If you desire early asparagus, sceure a warm and sheltered spot. Some persons 1ecommend, as asparague is a maritime plant, the application of salt to the bed. A small amount mixed with the manure or scattered upon the bed would probably be beneficial. Asparagus well cooked, is one of the earliest and best of vegetables.

Manufacture of Paper.

Mr. Diercey, a paper manufacturer of Ghent, I as discovered that the refuse ends of asparagus make excellent paper, at half the expense of paper from rags; and that a still greater economy is obtained by mixing the pulp of reparagus with that of the beet root — Evg. paper.

Insurance against Damage to Standing Crops by Hail Storms.

In France, and some other countries of the continent, companies for the Insurance of Agriculturists from loss through the destruction of stranding crops by bail-storins have long been established, and have proved of great utility. In England, happily, our rigen glarivests are not so frequently expessed to injury from such causes, but, nevertheless, it is the part of prudence to guard against even improbable denger, when the cost is trifling. Men do not insure their houses from fire because they expect a visitation from the devouring element, but simply as a measure of wise preenation against a possible casualty.—New Framer's Journal.

Feeding Cattle on Carrots.

To the Editor of the Doncaster Chronicle. Carlton Hall, Feb. 9, 1842.

Sir.—Noticing a question in your last week's Chronicle, on Feeding Cettle on Carrote, being a means of bringing on the Opbalmia, I beg to say, we have been in the practice of feeding cattle with carrots very freely, more particularly nuche cows, and have never had any thing of that disease amongst them, generally being very healthy, and I certainly consider them very healthy food for cattle and horses. Whenever they are amias I generally order them a few car-

I sm, sir, your obedient servant, W. BRADLEY,

Steward to R. Ramaden, Esq.
N. B. I wish to further observe, I have never found anything to produce so sweet milk and butter as carrots.

Crater in the Sun.

Something extraordinary is at this moment passing in the sun; a sort of crater is perceived in it, which emits clouds of smoke that spread over a portion of its surface like an enormous moveable spot.— Brussels paper.

Wood's Plough.

With the general aim of the subjoined remarks we entirely concur; and we are in the same situation as to a knowledge of the grounds on which the decision of the Court rested as the writer is. An entirely different impression from what he seems to have in this matter has been given to us; as we learnt from one of the counsel engaged in the cause, that it was decided on its actual merits, and on the ground, which the Jury at least supposed to have been made out, that Wood was not the original inventor of the improvement on which his patent depended. We should with extreme reluctance du his memory the slightest ininstice; and should be very glad if some of our correspondents would set us right in the case -Ed. For the New Genesee Farmer

The late decision of the Supreme Court at Canandaigua, or rather the reports of that decision may induce many to regard the inventor of Wood's Plough in a different light from what he justly merits. Not being present nor having seen a full report of the trial, I cannot judge so well as some others, but I understand the patent was chiefly set aside on the ground of legal technicalities, and not because Wood was not in reality the inventor. So far as he is in real equity entitled to the thanks of his country for the great benchi he has conferred upon it, cannot be affected by testimony of hasty observers, given entirely on memory of thirty years standing, which there is every reason to believe is founded in mistake, or by the fact that he delayed one year in gefting a patent. No one denies that it was by his perseverance and talent that the east iron plough was introduced into general use, and that this, together with the great improvement he made in it, has been the means of offecting a greater revolution in the agriculture of the United States than all the improvements in other agricultural implements and machines for the last twenty years put together. At the time he obtained his patent, no one thought of denying his right to it; but instead of this, his opponents endeavored to show that his plough was of no ralue. But as soon as he had triumphed over this opposition, and its real worth could be no longer doubted, his fellow-citizens commenced depriving him of the advantages he had thus obtained with so much labor and expense, with a very few exceptions, and the rest of his life was one ineffectual struggle to maintain what he supposed the law of his country hed really given him.

The history of American Inventors, almost without exception, effords but a melancholy picture. Robert Fulton brought successfully into use a machine which has indeed conferred wonderful advantages upon the country and the world; yet he was opposed on every hand, and attempts were by no means wanting to deprive him of the honor of the invention, by showing the prior claims of others-but who doubts to whom the right belongs? Eli Whitney, by the construction of the cotton gin, conferred wealth on the Southern States to the amount of millions on millions; yet his life was a constant succession of vexations and disappointments in maintaining the validity of his patent; and so great was the opposition he had to encounter, and so little relief could be get from courts of law, that on one occasion he found it almost impossible to prove that his machine had ever been used in the state, while one could at that moment be heard within a short distance of the court house door. Yet it is doubtful, considering the constant and multifarious uses of the plough, if even the steamboat and cotton gin together, have conferred nearly the real benefit on the country, which the cast iron plough has

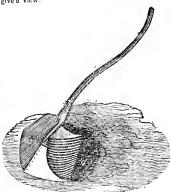
These remarks are not made from any actish motives, as the writer is in no wise interested in the mat-

have justice done to the memory of a man who, in stead of abuse, deserves the lasting thanks of all his countrymen. A CITIZEN.

Cranberry Rake. (Extract from a letter.)

"In your March number article, "Cranberries" is mentioned a Rake by which a man can gather 50 or a 100 bushels of Cranberries per day. Such a rake would be of great value here, and I hope you will procure a drawing or description of it, that will enable us to make it.'

The Cranberry Rake which he inquires after, is a very simple instrument, made in a form of which we give a view.



It has curved teeth about fourteen inches in length made thin and set so closely together that the berries will not escape through them, and sides with a board about the thickness of a shingle or 1 of an inch. The teeth are made of hickory. We give the dimensions from mere sight and not measurement. They are for sale at the excellent and extensive Agricultural Ware House and Seed Store of Messis. Jos. Breck & Co., Boston. The price cannot be much, but we do not know what it is.

On Ploughing and Fallowing for Wheat.

DEAR SIR :-- I perceive that the asbject of summer fallow is again attracting among our farmers, serious attention, and well it may -- for the less of the use of wheat land for the half of the time is a serious drawback upon the farmers profits-and that is not his only loss in consequence-the sun shining upon the naked surface of the land, during the hot summer months seriously injures it-and a continued use of the practice, would after a few years entirely ruin it. But fortunately asture ever mindful of the improvidence of man-sends forth upon the surface verious vegetable productions, which serve as a carpet for the protection of the soil-even weeds do some good for that purpose.

Summer fallows and the loss of the land in consequence, and a remedy therefor, has for a long time attracted my attention and observation, and some prac tical operations have materially assisted me in the investigations.

Of all the operations of the farmer, plonghing is first in importance, and unless it is performed in the best noss ble manner, no very large crop need be expected; and the inquiry is abroad, cannot a good crop of wheat be obtained by once ploughing the ground, and that teo after the crop has been taken off, either by hay or pasturage. I think it can be done, provided it is properly managed. But this is certain, that if a farmer undertakes the course with a common plough, one ter however remotely, but merely from a desire to up rather shallow, as that strength of team necessarily

must do-with the greater part of the furrows set up edgewise, instead of being laid flat and his furrows so narrow, that no animal can walk straight forward in one without reeling out, acmetimes on one eide and then on the other, the plough following the cattle; sometimes in the right place, but oftener in the wrong, to the great discomfort of the ploughman as well as his team-that no crop of wheat can be expected with such management-the wheat will be choked under that kind of ploughing with very foul stuff, and the little wheat you get will not pay for the labor expended-and with such ploughing as we see frequently about the country, it is indeed a wonder that a crop of wheat is ever obtained even after three such ploughings.

No ploughman with the best of ploughs can make good work on grassy land unless there is sufficient width of furrow for the animal to walk in it steadily and with ease to himself.

But the grand question is, what must be done to insure a good crop after hay or pasturage with but one ploughing? And on smooth land as most of the land now is, by repeated fallowing? To accomplish so desirable an object, the first thing necessary, is to obtain a plough of sufficient espacity to turn a furrow at least ten inches deep and fifteen inches wide, and turn it flat over, if twelve inches deep and eighteen inches wide so much the better-and team strong enough to draw it that will give an abundance of earth above the sod to be pulverised, and be prepared for a large crop of wheat.

A gauge wheel to the plough ie not only convenient but useful in such ploughing-the extra expence attending it, over that of common and harrow furrows is not so great as would appear at the first look, to ent as much at two furrows as you otherwise would at three furrows, will be found nearly to make up the difference in the expense of the two modes.

I cannot hardly tell why; but the first time the ground is managed in this way, a good crop is gence rally obtained, but not a very large one-whether it is owing to its not receiving a proper degree of pulveriza. tion the new parts of the sod not being sufficiently divided, I cannot say, although it must be rich enough, from what most people may have observed in making excavetions. But the eccond time the operation is gone through with, and ever after if rightly managed, a large and heavy crop may be expected, with but a light expence in preparing the ground-for less strength of team will do the ploughing from what it took the first time.

I am fully of opinion that the land to be kept up good and not allowed to deleriorate and to be the most profitable to the farmer in a long run, ought not to be out into wheat oftener than once in three years-be thickly seeded with grass seed the next spring ofter sowing, a fine lot of after growth will probably be obtained in the fall after the wheat is off-the following year seeded principally with clover, with a small proportion of other grasses, and well plastered, an abundance of hay and pasture may be obtained; the next year the best of hay may be cut from it, or pastured if preferred-and the same season again ploughed and sewn with a prospect of a first-rate cropand if mannre is liberally made and saved on the farm and applied to the heed crops, regularly to each part of the farm until each part of the farm obtain its share of the menure, the cultivator will find his farm in high order-and it will be his own fault if his pockets are not well supplied. One-third of a good wheat farm managed in this way, may be sown to wheat every year, and more stock kept upon it, than can be kept on any exclusive grazing farm that can be found in this country. I am respectfully sir,
Yours &c. THOMAS TUFTS.

Le Roy, July 9, 1842.

The two following letters englit to have appeared n the June number of the Farmer, but did not reach is seasonably. We hope they will attract the otienion which they deserve; and should be very happy o hear from the writers of them as often as they find t convenient to favor us. Our friend W. B. will es. suredly give the desired information respecting Tomate Figs.

Various Inquiries .- Sicarine from Lard and Oil from Corn Meal.

MR, Colman-It is with pleasure I seknowledge the great satisfaction as well as instruction I receive from reading your invaluable paper. Your April No. is particularly gratifying, and is calculated to fill the mind with a deep interest, particularly the notice you have taken of the Report of the Commissioner of Patents, Mr. Ellsworth. But I could wish that some of your correspondents would make themselves responsible by signing their names to their communications. Much more confidence, I think, would be placed by your readers in communications thus sus tained, and the editor would be troubled with none but such, as the authors at least considered worth printing. A plain, simple statement of all the facts relating to the subject, is what is wanted, and if that is fortified by a responsible name, so much the better. No words (unless explained) should be made use of but such ere to be found in common school dictions riss, for our farmers are not all brought up at the feet of Gamaliel.

In the last No. of your paper, is a communication signed "W. B." headed "Tomato Fige, describing their valuable and luscious qualities, and stating them to be within the reach of almost every men, and stating also, that in their proparation the medicinal qualities of the fruit were concentrated. Very well, so far, so good. But why stop bere? Why not tell us how to prepare the "Tomato Figs"? He would then have done us a real service, and for one, if on trial I had found he had told us the truth, I would have bailed him as a benefactor. But I hope he will take up the subject again, and tell the whole story, and, by way of setting a good example, put his name

I mention these things, not for the purpose of carping or finding fault, but to show that we farmers want facts more than speculation. We want truth, the whole truth, and if possible, nothing but the truth upon subjects communicated to us. An imperfect or erroneous statement of facts, sometimes injures the tion. eirculation of an Agricultural paper more than if the space occupied by it had been left blank.

Stearing from Fixed Oils, or Oils obtained from the seeds of Flants.

"The chemical nature of soap has of late years "been elucidated by the labors of M. Chevreul. "This chemist has found that fixed oils of fats are "not pure proximate principles, but consist of two " substances, one of which is solid at common tem-"peratures, while the other is fluid. To the formore he has applied the name of Stearine (suet) and to " the latter Elaine (oil). Stearine is the chief ingre-"dient of sugt, butter and lard, and is the cause of "their solidity, whereas oils contain a greater proportional quantity of claime, and are consequently These principles may be separated from one " another by exposing fixed oil to a low temperature "and pressing it when congealed, between folds of bibulous (absorbing) paper. The stesrine is thus "obtained in a separate form, and hy pressing the "bibulous paper under water an oily matter is pro"cured which is claine in a state of purity."—Turper's Elements of Chemistry, 4th American Edition, from 3d Landon Edition, Philadelphia, 1832. p. 485.

Query .- Is or is not this process the same with that practiced in Alton, Ill., for extracting Stearine from the Oil of the Castor Bean, of which candles is made?" Again, Stearine from Lard.

"The method or preparing stearine and claime

" (page 485) and the same process which originated "with M. Braconnot, is also applicable to hog's lard "This process by which M. Chevreul obtains these "principles, is by treating hog's lard in successive por-"tions of hot alcohol. The spirit in cooling deposits "the steerine in the form of white christaline needles, "which are brittle and have the aspect of wax, fuse "readily whon hosted, and are insoluble in water. "The alchoholic solution, when evaporated, leaves "an oily fluid which is elaine."-ibid, p. 544.

Here are two methods of procuring Stearine from Lard, of which, according to Mr. Ellsworth's report, candles are made worth 25 or 30 cents per pannd, and one by which the same substance is obtained from vegetable oils for the same purpose. Whether either of them is the best that can be devised, remains to be seen. I hope we shall hear more on the subject.

But the subject in Mr. E's. report, or so much of it as you have noticed in your paper, appears to me to be the most extraordinary, and if the results of Mr. Webb's experimente and the deductions drawn from them by Mr. Ellsworth are not deceptive, will undoubtedly prove of great importance to the people of the Northern and Western parts of the United States.

Mr. E. does not give us particulars, but says "s minute account of these experiments can be furnished if desired " I hope you will desire it, and also publish it. Let us have facts: there is still immense room for facts in the science, yes, science of Agriculture. We have not yet learned even its first rudiments.

Oil from Corn Meal.

I am informed that Oil from Corn Meal is obtained by a mercantile firm in this state to a very considerable extent. I am told they are largely in the distilling husiness, and purchase large quantities of corn and obtain the oil from the meal while in a state of fermentation, by skiming. The meal is afterwards distilled, by which operation, as my informent said, the oil they saved was clear gain above that of other distillers. I presume this is the company to which Mr. E. refers in his report, as wishing for the privilege of supplying the light houses on the Lakes with oil.

Our fruit trees are new in full blossom, and the earliness of the season keeps the evyners in constan, fear that a freet may come and disappoint their best hopes. The man who can devise come cheap method, within the reach of common farmers, whereby orchards could be protected from early frosts, would deserve well of his country. It is a subject which I hope your correspondents will take into considera-Yours &c.

J. CROCKER.

Wooster, Ohio, 1842.

MR. COLMAN-In your May number of the Genesee Farmer I discovered an article headed "Sugar from Iudian Corn and Stearine from Lard." reading the article I was much disappointed in not receiving any information on the method of obtaining Stearine from Laid. For the past two months I have devoted some time and pains to the investigation of the best method of obtaining stearic, margaric and oleic acids, and strarine and oleine from lard and tallow. The method which I found to be the best for obtaining the above acids from lord and tallow, is this: boil the fat in water for four or five hours, with a suf ficient quantity of lime to form an earthy soap. During this process, the elements of the fat are so arranged as to form the acids, which combine with the alkaline earth and form with it their respective salte. These salts or earthy soap is decomposed in a large quantity of water by sulphuric acid, the acids being thus liberated, rise to the top of the water, which, when cold, is to be taken off, shaved fine, end then subjected to strong pressure, when the oleic acid will run off in a substance recembling oil, and leaves the "from the vagetable oils has been already described stearic and margaric acids in the press, a substance

very much resembling spermuceti, which, when made into candles. I found to be disposed to melt and run down; this, however, might be owing to its not being sufficiently pressed, as the press which I had was not very good.

It the process which you referred to in your last number is any thing like the foregoing, it is the foremeationed acids that are obtained by it and not the stearine and cleine, as you there stated. The steerine and oleine are obtained by a different process. I have tried several experiments for the purpose of obtaining them, but as yet am not satisfied with the results. From what investigation I have made on the subject, I think I can soon satisfy myself with a process for obtaining them.

My object in writing to you is to obtain information on the subject. If you have a pamrhlet on the subject you can spare, I wish you would send me one. If net, be so good as to write me those things that are practical. Yours &c.

JOHN McLEAN.

Juckson, Michigan, 1842.

P. S. The process which I have given you in part in this letter, was patented in England in the year 1829. J. McL.

We have sent the pamphlet of the National Agricultural Society to J. McL., and hope it has been received.

Cattle Shows, Fairs, and Ploughing Matches. We subjoin a notice of the times of holding the several Agricultural Fairs, which come within our knowledge, within the district where our paper principally circulates, and shall keep it in until the times arrive. We shall be obliged to the Secretories of the different Agricultural Societies in New York, Ohio, New England and Canada, if they will give us (post ouid) the notices of their respective fairs. Sent. 28 and 29.

New York State Fair, Albany, Monroe County Rochester. Oct. 13 and 14. Ontario .. Canandaigua, Oct. 12 and 13. Genesce Batavia, Oct. 20 and 21. Palmyra, Wayne Sept. 5 and 6 Livingston " Geneseo. Oct. 4 and 5. Oneida " Rome. Oct. 11 and 12. Seneca Waterloo. Oct. 20 and 21. Tompkins " Ithnes. Oct. 6 and 7. Onondaga " Oct. 5 and 6. Syracuse. Jefferson " Watertown, Sept. 15. Cayuga " Anburn. Oct. 12 and 13. Qswego " Oswego, Oet. 5. CANADA.

Durham, Bowmanville, Oct. 18. Northumberland, Grafton. Oct. 12th.

Over-Production .- It would seem _ but whoteve can be produced by the steam engine power-loom and other improvements in machinery, has been generally, and in some articles of menufacture, sadly overdone in Europe and the United States; but this only adds to the farmer's comfort and wealth, as whatever depends solely on the hands, the plough, or the team, is not depressed pro rata in price and demand. When I see a farmer's wife exchanging a pail of butter, a basket of eggs, and a badly skimmed cheese, for calico and muslin enough to clothe all her children, while her husband stands by complaining of hard times, and contending that the dealer shall add thread and tape gratis, I am ready to exclaim with the Mussulman, "God is just: he gives to the rich man only one bellv."

EXTRAORDINARY .- Three hundred large Hogs, brought from Kentucky by way of New Orleans, were offered for sale last Monday at Erighton, Mass They remained unsold. What next?

New Whest is selling at 50 cents per hushel in

From the Mark Lane Express for February. Comparative Condition of the English and French Laborers.

To the Editor of the Mark Lane Express:

Six-As at this moment all Englishmen are occupied with anticipated alterations in the corn laws, the relative modes of existence of the British and foreign labourer are often compared. I am aware that no nean understands better than yourself the comforts or the wants of the farm servantin England; but as, during your sojourn and travel on the continent, I think you did not visit the West of France, give nie leave to point out the situation of a day laborer in that equatry (say Department de la Mayence). He carns twenty two sous a day, 11d., (unich); his ordinary tood consists of black bread made of buck wheat, and a soup composed of salt and water, in which a few cabbage leaves have been boiled with a hitle grease-of this he eats three times a day; on Friday a certain quantity of buck wheat flour is boiled into a kind of paste and eaten, seasoned with salt. On Sanday, sometimes, he has a little bacon, but fresh meat (excepting a bit of liver or the inside of a sheep) he does not eat, nor does he taste wheaten bread. His general beverage is water, sometimes, when at a good house, he gets a little eider water of the most piquant description. A woman earns lour sons a day, and her foed, which is soup such as I have before described, and sour milk eaten with black brend. The man's dress in summer is a coarse linen jacket, trowsers, and shirt; the hemp with which they are made has been grown in his garden, spun by his wife, and weven by a neighboring weaver; that used for the outer gar-ment is dyed blue, and the shirt is left unbleached; he wears no stockings, a red or grey woolen night-cap covers his head. In winter the same, only substituting homespun wood for hemp, and a wisp of atraw in his subots to keep his feet wirm; three pairs (of these last) per annum, at eight sous a pair, keep him well He possesses a bat, pair of shoes, socks, and a neckeloth, but these he only wears on Sundays and tete days. His dwelling is stone built, a ground floor; the window place is from barred with a strong inside shu'ter, and totally unglazed; the door is divided in two, the upper half and the shutter are generally left o, en for light; a bed or two in the corners, on wooden hames, and the floor is of earth.

This is not an exaggerated statement, but one drawn from real life. My only wish is that when the comtorts of the foreign laborer are variated, the real state of the case may be known by those interested in the welfare of our own men, but whose pursuits or occupations have not permitted them to make personal observation. There is a noble emulation now existing in England for the improvement of agriculture, and it is not a complement when I say that you have lent a powerful aid to its progress. That England could feed her people, and have to spare, I have no doubt ; but to accomplish that great good, her millions of acres of yet unreclaimed wastes must be given up to spade busbandry, her pastures must be ploughed, and her cattle be stall-fed. Forgive my trespossing so long on your time.

Yours, &c.,

POLANO.

BY MAJOR TOCHMA Money is very scarce in all parts of Poland, the laboring class is in a wretched condition, and uneasiness is to be seen even in the magnificant palaces built by their fathers. Many a Pole, who possesses thousands of acres of land, and who has thousands of bushels of wheat in his granatics, finds himself often under difficulty to pay taxes and arbitrary contributions. Consequently every thing that the inborer and the soil produce is very cheap -whilst the foreign ar ticles of all kinds are rare and very dear; the import-

ers of the last being obliged to pay heavy duties, to maintain their new commercial policy.

In the last two or three centuries before the dismemberment of Poland, copper money was almost unknown in Poland-silver and gold were in circulation the people scarcely knew any other money than dollars and ducats, (a dollar was of the same value as lars and ducats, (a count was of the sume varieties, the American; a ducat is a goo'd piece worth \$2,500; now a Polish florin (zloby polishi) which is equal to one shilling of the State of New York, is divided into thirty very small pieces of copper. called 'grorze,' and for one such piece of copper, that is to say, for the thirtieth of a shilling, they have a loaf of bread sufficient for the breaklast, dinner, and supper of an American gentleman. The price of wheat is from 18 to 25 cents a bushel; rye, bailey, and onts, sell at two

may be got at a much lower price; whilst for collect and by a simple brake is made to stop. A spindle, 2 and sugar they must pay from 18 to 25 cents a pound, and for tea from 75 cents to \$3.

The consequence is, that the foreign articles, even of the first necessity, as the above are used by a very lew families, in proportion to the population of the country: scarcely one person in a bundred is rich enough to use coffee and tea in Poland, since it has been dismembered. An owner of two or three bundred acres of well cultivated land, seldom makes use of any article which does not grow on his soil. As to the laboring class, they never see any. The produce of the soil feeds and clothes them.

A common laborer gets in Roland from 6 to 123 cents per day; a mechanic soldem more than 25 cts ; a lemale servant, in the country, has from 37 to 75 cents per month; a male servant from 50 cents to \$1 per month. In the cities, the wages of servants are about one fourth higher. The clothing of the laborabout one fourth higher. The clothing of the laboring class of both sexes, is comfortable, but very poor, made of linen and woolen cloth, and fars of the The whole dress of a country female per annum costs from 3 to \$6; the dress of a laboring man from 4 to \$8, including shoes and boots. A pair of shoes used by a laboring female sells from 18 to 37 cents; and a pair of boots of a laboring man, from 37 to 75 cents. As to the clothing of a lady, this costs nearly as much as in the United States; the cotton and silk stuffs, the ribands and other articles ne-cessary to make ladies' dresses, being almost of the same price throughout Poland as here. It is the same with regard to the dress of a gentleman, -only that the ladies' shoes and the gentleman's boots are cheaper in Poland : such shoes as we pay here \$1,25 for, are selling in Poland for from 25 to 371 cents; for such boots as cost here 7 or \$3, they pay from 2 to \$3. But to get boots for \$8, they must sell from 12 to 15 bushels of wheat; and the dress of a lady, worth only \$20, will cost them from 80 to 100 bushels of it. A farmer, who has 2,000 bushels of wheat for sale, can buy a silver watch for himself, but not one for his wife : while had be, before the dismemberment of Poland, sold 2,000 buchels of wheat, neither be or his lady and half a dozen of daughters would look at gold watches, not set with diamonds, or at least, with

The cattle, flocks, and herds, are also very cheap, A mileb-cow sells at from 2.50 to \$85; an ox for slaughter from 10 to \$30. A horse, such as we pay here \$70 for, is worth in some parts of Poland about \$25; in the parts of the country incorporated with Russia, such a horse is worth only from 7 to \$12. A common sheep sells from 18 cents to one dollar, Those called 'merino sheep,' introduced from Spain, are sold from 20 to \$100.

Wind Power Machine.

MR. HENRY COLMAN-I have this day received the enclosed lett r from Captain Glover, giving me a description of his Wind Mill; but as he observes in his postscript, "but little insight can be had from the description." Yet I am persuaded that the view of the model for one minute by any mechanical genius, would impress its importance on the mind over all other forms for Wind Power.

I am respectfully, yours &c.

O. WHYTE.

Brookline, June 25, 1842.

Roxbury, Mass., June 24, 1842.

I now will describe, as well as I can, my Wind Fower, It is adapted to be placed on the roof of a building, consequently occupies no room wanted for other purposes; it consists of 4 arms, to which is attached the wings, composed of thin boards, cross lined with the same, and fastened together with rivets or nails, and is hung to the arms with staple hinges about 2 by 1, and is supported by a spring, of which there are several sorts. The one I have adopted is somewhat like that of the main spring of a watch, wound round the arm, and extended to the wing, so that when a greater force of wind strikes the sai's than is required, this spring gives way and diminishes the surface in exact ratio to its force; hence it cannot revolve with any more speed in a gale than in (as we sailors say) a royal breeze. It tends to the wind like of Poland, incorporated with Russia, those articles of Poland, incorporated with Russia, those articles

bevel cogs, and shaft, are all that is necessary. The latter is brought down through a pump log to the loft where the dram or cog-wheels is to be attached, as the case may require.

For grinding corn a simple cog wheel will give motion to as many run of stones as can stand around it. and be thrown out of gear at pleasure. For sawing, &c., a drum can be used with bands. When not wanted in motion for any considerable time, the wings can be hooked or pinioned back. The power is in proportion to its size, and if found too much or too little in its operation, it can be regulated by extending or contracting the spring out or in on the wing; out to increase, and in to decrease the power. The arms or wings fly to leeward. The fan or wind board is about twice the width of the wings, secured to the finme of boards on each side, similar to a barn door. Any carpenter can make the whole, except shaft, spindle and cog wheels, which are of iron.

P. S. You can get but little insight by this, tho only way is to see the model.

From the Boston Daily Advertiser.

The last Monthly Chronicle contains a statistical account recently published, by which it appears that the agriculturists of France possess the following number of animals : Ox n and Cowe 6,681,000

Merino Sheep 766,310 Common Sheep 30,845,852 - 31,612,162

Horses and Mulea 1.656, 003,900,162 43 849 162

In Mr. McCulloch's statistics of the British Empire, published in 1839, the number of oxen and cows in Great Britain is estimated at 5 220,000 Sheep and Lambs in England 26 148,463

do Scotland 3,500,000 - 29,648,463 Horses, probably including Mules 1,500,000 .

Pigs, the number not stated by Mc-Culloch, but are estimated by another writer, including thoso of Ireland, at 18,000,000

54,368,463

By the census of 1840 there were found in the United States Neat Cattle 14,971,586 Sheep

19,311,394 Horses and Mules 4,3.5,669 Swine 26,301,298

94.919.622

Sup; osing the foregoing estimates of the number of those annuals in Gent Britain and France to bo correct, it follows that there are in the United States upwards of three millions of neat cattle more than in both Great Britain and France together. France has upwards twelve unllions of sheep, and Great Britgin apwards of ten millions more than the United

If to the number of horses in France used for agricultural pu poses be added, three bundred and forty four thousand, for the cavalry and other uses, it gives for that kingdom a total of two millions-these added to the fifteen hundred thousand in Great Britain fall short of the number in the United States by more than with hundred and thirty-five thousand. The Swine in the United States exceed those of France, Great Britain and Ireland together by about four million four hundred thousand.

From the above it will be seen, that with the exception of sheep, there are many more of each of the other animals in the United States than in France and Great Britain together.

The subjoined star za was penned in an Album at Ningara by Lord Morpeth, on his late visit to the Falls. Every generous mind, and every friend to the two countries must cordislly join in the prayer. "Ob, may the wars, that madden in thy deeps

There spend their rage, nor climb the encircling steeps.

Protecting Home Industry.

Mr. EDITOR-I observe, by the freedom of your own remarks as well as by the conflicting sentiments of correspondents admitted to your columns, that you are no enemy to the free discussion of all questions connected with the general prosperity. On the subject of a tariff, I see two articles in your Farmer for June-one of S. W., the other of Old Humphrey of the Genesee. Plain working folks like me, don't know much about "the theory of a Protective Tariff and retaliatory duties," or indeed about theories of any kind; and if it would not be deemed rude, I would venture to say to S. W. that, after looking over several of his well polished communications, a number of us have come to the conclusion that if he were a practical working man, he would find less time, and perhaps have less disposition to theorize. The last I heard of him, he was with Zelia in the Salaon, contrary, as I understand it, to express regulation. But if I was you, I would not make a fusa about itbetter let him be-for thet, of all places in your boat, is the very spot for him.

The first statement made by S. W. which I judged

material to the support of his anti-tariff theory, astonished me, for it was indeed news to me, and I think will be to you, that New England, the great workshop, has never advocated a high tariff. I have all along supposed that she cried out as loudly, as unitedly, and I may add more effectually, for a tar iff than Pennsylvania; and that she has steadily and perseveringly pursued a policy forced upon her by non-intereourse and embargo measures, and in which she was induced to embark much of her capital to supply the demand created by these measures, and rendered apparent by the war which shortly succeeded them. And why is it that fectories, not a few among her cities of factories too, are closed, and the hands unemployed? Wby, but because she cannot stend competition with the pauper labor of the old world-because the protection which her manufactures have enjoyed, and under which all have lived and many ofthem flourished, is about to be withdrawn? And does not New England know all this-end knowing it, has she not sought from G nment the boon of that protection that ensures her prosperity? I cannot doubt it; for the Yankees, I take it, are among the last men on earth, to let any blessing slip by them unenjoyed because unasked. But near the close, S. W. says he is in favor of "a tariff ample for the purposes of revenue, framed with such discrimination as will favor both revenue and protection to our home industry." If Pennsylvania, "in the dark hour of her distress," asks for any higher tariff than this, I never heard of it, and you are welcome to say that I think her very unreasonable. But saya S. W., "I always go for encouraging demestic industry and huilding up a home trade, as a certain market for the farmer." Them's my sentiments, Mr. Editor, and though S. W. and I may not have agreed entirely by the way, yet so cordially do I concur in his closing re marks that we part the best of friends.

At odd spells, between ploughing and pulling stumps, I have attentively read your friend Old Humphrey, and am by no means sure that I understand him. He speaks approvingly of a tariff for revenue only, and immediately adds that it should be imposed with such discrimination as to protect such of our manufactures as most need it. Now so far as I understand, this is about all any body wants. And yet in the next paragraph he scenes to speak of a protective tariff, as evil only, and that continually. I cannot understand this, and without designing to censure the old gentleman, I must say I think him a trifle metaphysical, according to the Scotchman's definition of it,-" when ye hear a man talking and canna understand what he means-and when he that's talk-

ing does'ne understand what he means himsel, that's metaulysies."

Not long ago I heard a laboring farmer address a meeting of laborers on the subject of protection to home industry. He started with the position, that the habus of business that contributed to the thrift and prosperity of a family, had no necessary connexion with its number; and consequently that those prudential rules and economical babits that would create and secure the prosperity of a family of five or seven, were in general equally applicable to our great American family of seventeen millions. Every economist knows at the end of every year whether he can make the two ends meet. If, after disposing of the produce of his labor to the best advantage, he finds that he still owes for articles purchased, and that the balance of trade is thus against him, or in homely phrase, that he has bought more than he can pay for, he is forced to the conviction that he can recover from the embarrassment and prevent its recurrence only by selling more or by buying less-or best of all, by doing something in both ways. For so surely as he continues to buy more than he sells, and year after year runs behind hand, so surely is he bankrupt. When the farmer can pay the shoemaker in the produce of his farm he had probably better make the exchange than make his own shoes; but if he require in payment that which the farmer does not make or cannot produce out of his labor, he had better sit in the house where he can do without shoes, than buy them with the certainty that they will be svorn out in travelling the read to inevitable ruin. These positions, it was argued, had an application to every variety of human intercourse, and were as true of families as of individuals, and of nations as of families.

Protection to manufactures, by affording higher wages, would draw off from a redundant agricultural population, so many as would equalize production and consumption, thus rendering each one's labor more profitable-for it is clear, if you make consumers of those who are now producers of food, that agricultural labor will be better paid. Protection to home industry will produce on the currency those beneficial results which are contidently predicted of National Banks, Sub-Treasuries and Fiscal Agencies. long as we continue to buy mere than we sell, so long will there be a constant stream of specie running out of the country-for specie is the only nrticle with which we at the North can pay foreign deht. Cher ish home industry, and you will have no call to send specie abroad, after existing dehts are paid off. Divert this exhausting drain-dam up this ceaseless current, and retain it with its constant accumulations in the country, and you have the only safe and reliable basis of a sound and healthful paper circulation. The country is thus rendered truly free and independenta position demanded not less by our interest than our national honor. Such were some of the views of my friend, and I thought he hit the nail on the head,

Youra truly,

June 27, 1842. JOHN FARMER,

From the Salem Guzette.

Leather Business of Lanvers.

The following statement has been obtained for our use, and we take pleasure in laying before our readers the statistics of so industrious a community as that of Danvers. The well known accuracy of the compiler imports to it perfect authenticity.

A statistical account of the Shoe and Leather husiness in the town of Danvers for the year 1841, compiled from the returns made by committees appointed n each department of the business, who reported specially what was done by each person engaged in it 1. Boots and Shoes, manufactured, -924,000

Estimated value, when ready for market, \$650,000 40 per cent of this is labor applied-12: males are constantly employed, and 946 ismales.

2. Tanning and Currying-373,800 sides of leather.

10 per cent of labor applied in the process of tanning,-20 per cent of labor applied in the process of currying upper lenther. large proportion of the leather tanned here is also curried. 328 males are constantly employed in this business.

The Real Estate, consisting of tanneries

and mills used in this business, is valued at \$123,000. 6500 cords of bark are used in the tanneries, estimated at \$8 per cord, when delivered at the yard, \$50,000, 9 10ths of this is the result of actual labor applied. The transportation of the bark from Maine to Massachusetts employs 15 vessels of 80 tons The transportation of each, and 60 men. hides from South America employs 5 vessels of 200 tons each and 50 men. In addition to the above, citizens of this place are confrom which they receive leather ready for the market, of the value of

\$200,000 3. Manufacture of Skins--150,000 dress ed annually.

Estimated value when ready for the market.

40 per cent of this is labor applied,-44 males constantly employed.

Gross amount of the value of materials brought to market annually by our manufac-

90,000

The whole number of persons comployed es stated above is 2639. Supposing one third of the nett procseds to be applied as a compensation for their labor. this would give about \$214 to each person, not by any means an extravagant compensation for their labor. It is not pretended that the amount of capital employed is as large as the sum above stated; because some of the articles are twice estimated.

Such for instance is the case with the leather purchased by the currier of the tanner. It will also be remembered that a large part of the stock worked in the shoe factories is purchased in the New York and Philadelphia and Baltimore markets.

The foregoing estimates are the best approximation to the facts, that I have been able to obtain from an ex-amination of the returns of men practically engaged in the business. Throughout it has eppeared to mo they were not disposed to overrate their business. A more sober, industrious, and mind-their-own-business class of people, than the manufacturers of this place, it will be difficult to find in any community.

I hope sir, that the above statements, bastily sketch. ed, will be found a satisfactory answer to your inqui-Very respectfully and truly yours, s, March, 1842 J. W. PROCTOR. Danvers, March, 1842

On the Effect of Carrots on Horses. To the Fattor of the Mark Lane Express :

Sir-In answer to a query in your excellent paper of the 10th inst., respecting feeding horses on carrots, I um unable to give your correspondent any lengthened experience on the subject; but since have given my borses (twelve in number) entrots, I have not perceived any ill effects from them, neither have I ever heard the root accused of injuring horses' eyes before; but the chief reason of my replying to your correspondent, is to inform him that the parsnip, a root having great affinity to the carrot, is thought to have this effect, as he will perceive by the following quotations from Quayle's Agriculture of the Islands on the coast of Normandy, drawn up for the consideration of the late Board of Agriculture. Under the head, parsnip in the Island of Jersey, he says :-"Horses cat this root greedily, but in this Island it is never given to them, as it is alleged when kept on this food their eyes are injured." Again, in the island of Again, in the island of Guernsey, he says: "To borses, parsings are frequently gizen, and have the property of meking them sleek end lat; but in working, they are observed to sweat profusely. If new, and cut sufficiently small, no other ill effect results, except indeed, at one period of the year, towards the close of February, when the root begins to shoot; if then given, both horses and horned cattle are subject, on this foud, to an inflammation in the eyes, and epiphora, or weeping; in some subjects perhaps producing blindness." Trusting the above extracts may prove interesting to your corresmain, &c ,
Devonshire Farner I ror pondent,

January 24th.

Agricultural Watchouse at Troy, N. Y. MR. Colman-To he farmer it is a source of honest pride to observe that his profession is certainly advancing to that pre-eminence to which it is entitled; a result produced in a great measure, no doubt, by the circulation of agricultural publications and the emplayment of able pens, sound beads, and patriotic beauts for its advancement. New and interesting experiments are making-valuable facts are published to the world-a stimulus is offered to exertion-and while the hands are hardening with honorable and successful toil, the mind is usefully employed, and the means for its gratification seem to keep pace with the taste for agricultural improvement. *Twenty years ago, few ever dreamed of seed stores or agricultural repositories. Now they are springing up at every important point; and a very great accommodation they certainly are to us, if properly conducted.

Mr. Henry Warren of Troy, extensively and favorably known as the maker of Miner's Patent Pump, has recently fitted up and furnished an agriculture! warehouse on a very respectable seale. I have known him long and intimately. He is upright, straightforward, ingenious, practical, and to his character for probity, his persevering industry and good manners, is he alone indebted for his present standing.

Mr. W. wants the New Genesee Farmer and send the enclosed to pay for it, (pretty good evidence, is it not, that he is withal a discriminating, sensible man?) Will you do him and me the favor of noticing his establishment in your next paper, and of introducing him to the manufacturers of farmers' ware.

Your friend and constant render. JOHN McCONALD.

Salem, Washington Co., June 27, 1842. We noticed in our last the new Agricultural Ware House of B F. Smith & Co., in Syrneuse. We are

happy to add the above notice of Mr. Warren's establishment in Troy, N. Y. His situation is on every necount favorable, being a central point of business and resort for a large agricultural community. There 13 room enough and call enough for this establishment where he has placed it, and we cannot but wish him the most smple success.

him the most simple success.

* More than thirty years ago was commenced the agricu-tural Warchouse at 1 Sect store of Messrs. Newell, Pering and Co., in Boston, which has since heen mandiated and is continued under the firm of Wessrs. J. Breck & Co., second to more in the United States for its extent, the good workmanship of us articles, and its trustworthy management. With this estat is bineart is and has been connected almost from its hirth, that useful and excellent publication. The New England Farmer, now in its twenty-first year, they in the maturity of its character and tatent "of age" even from its in Janey, and an earlier poincer in agricultural imin ancy, and an earlier pioneer in agricultural im-

from its in'ancy, and an earlier protect in agricultural incorprove lent.

Since that time have grown up and still flouris he seed stab ishment of Mesera, Hovey & Co., with some tools extend ishment of Mesera, Hovey & Co., with some tools extendishment and seed establishment of Mesers, Ruggle, Nourse & Mason in Quincy Hat; the valcable Plouge establishment of Mesers, Proutt, Mears & Co., and the seed and tool firm of Mesers Breck & Willis, a thrifty seion from the old stork whose honor and good conduct in j be safely relied popt; all in Boston.

All in Boston in the publishers of the M. gazi en all in Boston in the seed of the properties of the M. gazi en all in Boston in the seed of the publishers of the M. gazi en all properties and annatures for whe has well as for any other of the agricultural publications in Boston we should be happy to take subscriptions—Elo.

take subscriptions - En.

Howard's Ploughs.

We have received for exhibition two (different sizes) of the ploughs of Charles F. Howard of Hingham, Mass., which may be seen at the Seed Store of M. B. Bateham, in the Areade. These ploughs have long been celebrated in Massachusetts and other parts of the United States. Without disparagement to any other plough, it may be said with truth, that in every respect these are among the very best ploughs ever put into the ground. They will be fully tested at the Agricultural Show; and if approved can easily be obtained on application at the above store.

ROAD OR DIRT SCRAPERS.

May be had at the Rochester Eagle Furnace. Price wood-led, \$5. Scrapers without wooding, \$2,50. June, 1812. A. J. LANGWORTHY.

To Correspondents

The communication of our friend B. M. is accidertally omitted. The review of Gray's Agriculture is necessarily postponed. We regret both these cases, and several other valuable communications are neces-

As to Zelia, we presume she is married and gone to housekeeping; and the long silence of our friend W. B. gives us no little concern for his health of body or of mind. Our last accounts left him in respect to the last particular in a bad way; and what effect the suggestion that Zelia is no more Zelia may have upon him, we are afraid even to conjecture. We advise to homoepathic doses of the elixir of hope. "There are as good fish in the sea, &c."

Flora's last communication has been exceedingly well received as its merits deserved. "One good turn deserves another." Therefore write again

A stingy farmer. - Every farmer in this vicinity, save one, has now sold his wheat at 10 shillings the bushel: this man has held on for twelve shillings, or as much more as he could get-his conscience would not stick at five dollars. No man, when the price has fallen, feels worse than the man who has no wheat to sell, and an inconvenient mortgage on his farm. To comfort him, some of his neighbors commend his benevolence in keeping his wheat to tall on his own hands, rather than break down the millers.

Important Sale to Agriculturists.

I MPROVED SHORT HORN DURHAM CAT TLE. On Thursday morning, 8th September, at 10 o'clock, will be sold, at the exhibition ground of the Philadelphia Agricultural Society, Rising Sun, on the Germantown Bond. 2 miles from the city, a choice selection of splendid Darham dairy stock from the herd of James Gowen, Esq., of Mount Airy, consisting of imported cows, bulls, and calves from Dairy Maid, Pocahontas, Victoria, &c., and by the cele-brated bulls Colostra, Prince of Wales, and Leander.

This sale will afford to breeders an opportunity of adding to their stocks thorough bred animals of high cuaracter and pure blood, and their diffusion into proper hands is a primary object in this sale, together with the necessity of a separation of the herd to prevent over close breeding.

Catalogues will be ready in due time, and the cattle may be examined at the exhibition ground two days previous to the sale. August 1.

DEATH TO INSECTS—A cheap and iffectual remedy infest the Pear and the ray trees, and as on for the numerous tribes of insects the ser and the ray trees, and as on for the numerous tribes of insects thes lice &c. that commit such deprediction on the plants and vegetables in our gard ins. It is the use of WHALE CIL 5 AP. See the M g zinc of Ho time of WHALE CIL 5 AP. See the M g zinc of Ho time of the wind part of the seed of the control of the seed of the control of the seed of the time of the control of the seed of the time of the control of the seed of the time of the seed of the control of the seed of the seed of the control of the seed of the control of the seed of the see

Mode of Using—Dissorte on "quant of the soop is seen quarts of Loiling water—mix this in twelve gal ons of cold rain vater, and sprink othe tree or plants, so as to wash both Sides of the leaves. Repeat the application once or twice and the cure will be complete. The lest instrument twice and the cure will be complete. The Lest instrument for the purpose is a garden syringe, which costs at the seed store \$3. The Whale Oil Soap is also for sale at the seed ore—price only 25 ets per quart. August: ISP.

M. B. BATEHAM.

Ruta Baga and Turnip Seed.

A NEW supply of genuine imported purple top Ruta Baga Seel,—also a full assortment of English and Scotch Turnip Seeds, for sale at the Rochester Seed Store DUTCH CLOVER SEED, a fresh supply, re-

WHITE DEVICES.

edived at the Seed Store.

SH.K WORM EGGS, of the large Sulpter and Peanut

varieties, for sale at the Seed Store - 34 per connec.

M. B. BATEHAM.

HUSSEY'S REAPING MACHINE.

Having had f equent communications from Western farmers, to know if I could not deliver my Reaping Machine in Rochester for \$120; I would inform them that I have

in Rochester (1972), which can be had for that price, by calling on Ebe ezer Watts & Co. Orders for others at the same price will be duly noticed.

THOMAS R. HUSSEY. Aubers, N. V., June 1942.

Rochester Plough Manufactory.

T No. 90 State street, may be found a good assortment

A T No. 90 State street, may be tound a good according of of pologists of the most approved pairwise, such as the Genesee, Cayunga Cunuty, Gilson's, Wood's, Rich's Side thil and Shovel plough, side, Oulivators, Revolving Hurse Rakes, Road Scrapers, and Canai Wheel Barrows, Jone I. P. D. WRIGHT & CO.

E4488 SA 8.2.

ONE THRASHING MACH NE, flal's patentt 'arge size, the horse power nearly new, and the whole in perfect

O the horse power neary non-positional distributions on English Straw Cutter of a very superior construction, to work by hand or horse power.

One Lumber Waggon, Fanning Mill, Seed Dresser, Root Stier, Barred Cluira, two two hose Carringes, three stephs, one single horse Cutter and some other farming utensits. The wible will be disposed of very che p.

Annly to Car Peshanger street Roche-left

Apply to August 1842. No. 66 Exchange street Roche-

Aigust 1942.

A NEW AND SEPERIOR KIND OF PLOUGHS, A West with the Received Height of breaking up summer fallow, may be purchased at the Rochester Eagle Furnaco,—price \$6 \text{ and } \xi_7 \text{ each}, Wood and other produce taken in \$c\$. change. June, 1842.

June, 1812.

Garden, Field, and Flower Seeds.

TiPE subscriber having established a large Seed Garden
about one mile from the city, on Monroe street would
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METEOROLOGICAL OBSERVATIONS. MADE AT THE ROCHESTER COLLEGIATE INSTITUTE BY

L. WETHERELL, AUGUST, 1842.

Thermometer. Winds 7 Sunriee Kain Dave. o'clock, P.M Z .af.sunset z Z × 72 74.76 s 60 w 27 28 29 30 31 80 68 71.33 s w N W fair lair 60 78 89 60 65.66 N N E fair fair 76 fair 58 74 53 46 50 50 77 fair 88 58 69 83 N E cl'dy rain s w 61 52 54.16 cl'dy tair N 60 cl' dy 1 2 3 4 N W N W el'dy 68 59 69. N w N w fair fair 7460 01.66 N W w fair fair 52 55 60 74 67 fatr 60 62.5 N W N fair 67 63.83N E cl'dy rain 5 6 7 8 9 N 76 76 66 fair fair 67. 67.33 N E fair 58 66 NE fair K E cl'dy 62 71 66 65 66.16 N E cl'dy 63 N E rain rain 63 73 60 64.33 NE N E rain rain N E cl'dy 11 12 13 14 15 16 60 77 6366. s fair 67.33 77 82 84 N E N E fair fair 64 58 64 60 62 62 71.66 N E N E fair fair 66 70 N E fair fair 86 N E fair fair 68 N E 72.5 82 72 N E fair fair ah'w 17 18 19 20 21 22 65 80 70 72.5 s E fair ab'w 72 62 73 66 s w 70 60 62 52 53 84 s w fair s w fair w fair sh'w 80 66 69.66 s w 60.66 s w 59 58 74 83 61.05 n w fair ah'w N W n E fair sh'w 67.5 N sh' w 23 75.33 n к fair 58 89

July 26th, fair; 27th, fair; whortleberries ripe; 28th, a little bazy; ripe peaches and apricots in mar_ ket: 29th, green corn in market; 30th, cloudy in the morning; strong S. W. wind; commenced raining about 2 o'clock, P. M., and continued to rain un. til the next morning; wind changed about the time it began to rain to N. W. and N., about sunset to N. E .: the greatest rain this year. The temperature of the menth has been about the same as last year; being this year, (monthly mean,) 66.94 degrees-last year 66.79 degrees. The greatest heat, the 19th, ther. 91 degrees,-lust year the greatest, the 24th, ther. 96 degrees. Rain guage, July, 1842, 3 69 inches; do. 1841, 4.58 inches.

67.5 NE

62

24

sh'w

N E fair

69.83 NE NE cl'dy cl'dy

August, named in honor of the Emperor Octavius

Aug. 1st, quite cool; rained a little about 2, P. M. Tomatoss rips. 2nd, fair, and continued so until the land as surveyed and staked out by

5th; 5th; commenced raining a little after noon; 6th and 7th, fair; 10th, a thunder shower a little south of this; 13th, dense fog till 9 o'clock, A. M.; 14th, foggy early in the morning; 15th, smoky during the day; 17th, showers this P. M.; thunder and lightning in the evening; 18th, gentle showers this P. M.; 25th, very little rain.

AGRICULTURAL INTELLIGENCE.

MONROE COUNTY AGRICULTURAL SOCIETY .- The Executive Committee and the Town Committees are particularly reminded of their meeting appointed to be holden at the Arcade in Rochester, at 10 o'clock, A. M., on the 15th of the present month. It is confidently expected that this meeting will be fully attended, as arrangements are then to be made for the Show on the 13th and 14th of October. Other members of the Society it is hoped will attend on that occasion. The spirit and success with which the show shall go off, must depend entirely upon the interest which the farmers manifest in the matter; and the farmers of Monroc county should not permit the greatest and best interest of the State and County to lag or retrogade, for want of their cordial cooperation. The town committees and others are specially reminded of the necessity of their making returns of the monies collected, that it may be determined to how much we may lay claim from the State Treasury. The latter depends wholly upon the former.

Rules of Premiums and Forms of Certificates of the Mouroe Agricultural Society.

The necessity of exactness in all cases of competition for prizes is obvious to every one; and in all cases of agricultural experiment, where the principal object is not the reward of the experimenter for his success. so much as the gathering instruction from what has been done, is equally apparent. Without this, the experiments and results are worth very little.

As much inconvenience has resulted from a deficiency in these returns or from great informality, it seems extremely desirable to give to the farmers such forms and examples as are adapted to the purpose; and notice particularly the points to which, by law, the inquiries of the Premium Committees will be directed.

The following forms of certificates were drawn up by our friend L. B. Langwerthy, and have received the approbation of the Executive Committee. These certificates can easily be copied by any farmer and presented to the Secretary of the Society.

I. This certifies that I this day measured a field of belonging to in the county of Monroe; and found it to contain

acres rods, in which I again measured one

entire piece containing acre reds and staked the same correctly. 181 Survey: r.

Sworn to and subscribed before me this day of

Justice of the Peace. H. This certifies that we assisted to harvest the whole of the crop of grown upon the above on measuring the same find the yield to be bushels lbs, which measurment we know to be correct and true.

> Owner. Assistant

Sworn to and subscribed before me this day of

Justice of the Peace.

Competitors for premiums on crops must give written answers or statements in regard to the following pointa.

The nature of the soil on which the crop was grown; whether clayey, sandy, gravelly, or loamy; whether abounding in limestone or gypsum, or any other particular mineral; whether high or low, wet or dry; whether drained or not; and if drained, how?

The condition of the land before this crop was planted.

The crop which preceded it.

The amount of the next previous crop and the manure applied to it.

The manure, if any, applied to the crop for which a remium is claimed; its kind, condition, and quantity.

Time and frequency of ploughing, harrowing, culivating, hocing, &c.

The quantity of seed per acre, which was sownmention the kind and preparation of the seed, and the time and manner of sowing.

Time and mode of harvesting and cleaning the crep. It is necessary likewise to state the whole expense of the crop; including the value of the manure; cost of seed; number of day's works of man and team of two horses; or the cost of the whole laber applied in sowing, cultivating, harvesting, and preparing for use er market; or the whole cost, rating the labor of a man at 75 cents, and of a team of two horses at one dollar per day.

Wheat Crop.

A good deal of wheat in Western New York has been threahed and brought to market; and we are warranted in saying that the crop, though abundant and in general in good order, has not equalled the early expectations and calculations by one quarter, in many cases by one third less. Much of the wheat, likewise, which has been brought to Rochester, has evidently been damaged by being cut in too green a state and afterwards not sufficiently ripened or dried. This is a very serious matter. Early cut wheat will andoubtedly make more and sweeter flour than that which stands too long, and will yield more weight of crop, but this presupposes that it is not cut too early, and in the next place, that it is most thoroughly made in the sheaf or stook. In some places the wheat suf-fered from rust, and in reference to the inquiry respecting the use of rusted atraw, one of the best farmers in the state expresses his experience that cattle will not eat much of it, and his conviction that what they do eat will injure them .- Ed.

Sale of Durham Stock.

We beg leave to refer our readers to the Great Sale of Durham Cattle advertised to take place at the Ris-ing Sun, three miles from Philadelphia, on the 8th of September, instant. There are several animals of the highest pedigree and character. The catalogue may be seen at the store of M. B. Batcham, Rochester.

IMPROVED AGRICULTURE.

At the late meeting at Bristol of the British Royal Agricultural Society, Mr. Smith of Deanston, the author as he may be called of the Improved System of Thorough Draining and Subsoil Ploughing, was called upon to explain ot large, his views and practice in a public lecture. This was done without writing, and has been reported at large in the agricultural press-We have condensed it from the Mark Lane Express, but have taken care to omit nothing that is essential to a full understanding of the subject It is full of important matter, and will be read by every intelligent farmer with the deepest interest. The results of this system are beneficial in the most extraordinary degree. and bid fair almost to revolutionize the husbandry of Great Britain. The results are not more extraordinary than they are profitable, as it appears from the most undoubted facts, that while under the old system, a Scotch acre of land in a lease of 18 years would, after paving all the expenses of cultivation and rent, leave a profit of only £5. 14s. stg., for the whole time, and at the same time the quality of the land become deteriorated; under the Improved System, the land itself would be left in a highly ameliorated condition, and the actual profits for the same time, after expenses were paid, would be £64. 14s. sterling .- Ed.

LECTURE BY MR. SMITH, OF DEAN-STON, ON DRAINAGE.

Delivered before the Members of the Royal Agricultural Society, in the Theatre of the Philosophical Institution, Bristol, Wednesday, July 13, 1842. (From the Bristol Mercury.)

After spologising for the alteration of the time of lecturing, Mr. Smith proceeded :-

The dryness of land is of great importance—in fact, the dry condition of the soil is the foundation of all good husbandry. It is beneficial to the working of the soil; to the after-growth of plants. There is scarcely any labor of agriculture which is not facilita-ted by the dryness of the soil. If we find a tree stronger than his neighbor, we shall find that there the soil is deep and in a dry condition. If we see a stronger and darker-colored herbage growing on the hill side, there the soil will be found deep, and in a dry condition. There is not one of the various soils of the United Kingdom which will not be much improved by being placed in a dry condition, if they are not so by nature. Even on a subsoil or gravel or sand, the introduction of the thorough drain system would be beneficial; but as there is only a small portion of that sort of soil in this country, the greater part being super-imposed upon a wet soil, it becomes of the first importance to improvement in agriculture that means be taken to render the soil dry. Many attempts have been made with that view, but until the introduction of the thorough drain system, there was not the power of draining land, on whatever subsoil resting, and rendering it completely dry. The purpose of this lecture is to illustrate the principles on which this system acts; then, to show the advantages in carrying on the different processes with respect to the various crops; and then to explain the modes employed to render this drainage effective.

[Mr. Smith here illustrated by a diagram, his method of thorough draining; the soil, the subsoil, the

drains, &c., being represented.] In reterring to two lines, representing the direction of drains, he had drawn one at a greater inclination than the other, to show the advantage of making the drains deeper than they generally were. The prevailing practice was to make the drains two feet deep, but he preferred an additional six inches-it was of great importance to allow the water to go off as quickly as possible, and this advantage was secured by cutting the drain to a greater declination. People suppose that at a great depth water would not go off at all, but this was a mistake. Another advantage from a deep drsin was that it allowed the whole bank of soil to become completely dry, and it consequently required a very heavy rain to wet it. The action of the atmosphere too required to be taken into account. He would not enter upon the chemical question, but it was well known that soils were much improved by the action of the air, and this advantage could only be secured after the water was withdrawn.

of drains should be cut, and they should be laid off in the drains of 100 acres all discharged into one pond, parallel lines beginning at the highest side of the field. This secures a thorough drying. When the linearun parallel, much greater effect is produced than when they are drawn across. When drown scross, the drains may catch the water, but it does not run off so readily.

The distance at which the drains should be placed, will depend on the soil. If the field has been subsoiled, the plough will form artificial channels in the soil below. If it is a stiff soil, it will keep long upon the surface; the more free the soil is, the greater tendency it has to allow the water to pass: so that on a stiff soil, such as the stiffer clays, taking into account the nature of the subsoil and the soil itself, about the same drain will serve on all soils. The distances are generally from 15 to 20 feet : in some soils individusls have put in the drains at 12 feet; but that is, in some degree, throwing away money. From observa-tions which I have made myself on all sorts of soil, I recommend about 16 to 20 feet as the distance from one drain to the other.

The way I usually proceed in draining is, first, to find a good bottom-level to run the drain into. some parts of the country there is difficulty in getting an open level to carry off the whole water of the dis trict; but by a proper engineering it may be accomplished in most situations : because it is found that if proper channels are executed, a larger quantity of water will be discharged with a very small fall. In an endeavor to carry off water, I found that in a drop of four inches in a mile, thirty feet wide and six feet deep, I could discharge 300 tons of water per minute; which is much more than would fall in a very extensive district indeed. So that if means be taken to carry off the main level, a fall may be had.

I should make the great main drain, if possible, about four feet deep-three feet six inches will do; but in order to have a drop from the one drain into the other, I make the main drain four feet deep, the receiving drain three feet deep, and the parallel drains two feet six inches. When there is any rise in the ground, or any hollows over which the water cannot very well flow, it is necessary to make a cad's drain. That should be made about six inches deeper than the other drains which fall into it; then running on, it discharges itself into the main drain.

As to the manner of executing the drains, various modes are recommended, and on looking to land which has been drained a great many years, where the draining has been performed carefully, all the different modes employed for the purpose of keeping the drains open have been effective. A great deal of the want of effect in the duration of drains has been owing to bad execution. In some instances fagots have been introduced for the purpose of preserving the openings of the drsin, and these have been found to continue and to preserve the openings in a perfect state for nine in some instances, for twenty years.

In Scotland the peat-top is frequently used to form the tiles for drains. It does well in clays which are pretty stiff, but not so well in softer soils. In some sandy soils, the sides not being sufficient to resist the pressure of the top, the tile gradually sinks down and

closes up the drain.

Another mode of filling drains is by stones broken into the usual size for making roads. Much has been said against the use of this sort of filling, but when properly executed, the work is as durable as can be Where stone can be had, and tiles are expenaive, I should prefer it to the tiles; it prevents any vermin from travelling in the openings of the drain, such as rats and mice, which do a great deal of mischief. The grest point is, to be esreful in covering over at the tops. As soon as wet comes, the sand and other materials eifts down into the stones, and they are choked up. I have found drains carefully execut-cd completely destroyed in the course of a couple of years. If drains are so packed that the water falls down on both sides, the parts over-lapping each other, there is no opening whatever for the sand to find its If drains are carefully cleared in this way down. manner, I will warrant their duration for almost any period of time. I have executed myself about 130 miles of drain in this way, and have had them all filled with stones; many of them have been done 15 years, and there has not been a single instance of failure.

A gentleman in the theatre inquired the nature of the soil in the case alluded to.

Mr. Smith replied, both on a gravel and a clay soil. Many persons have asked whether or not the drains would be choked up in particular positions. I have slways asked them what position they referred to, and

provided for the purpose of seeing how much deposit come from the drain; and although we have had heavy rain, I have never seen the water in the pond tinged se if there was much soil in it. I can, therefore, safely recommend stones as a sufficient drainage; and in many parts of the country it is much cheaper than The next filling used for preserving the opening of drains is the drain-tile. These are usually made of cley, and burnt. They are very bandy and useful; and where stones are not to be had they are to be preferred. But there are districts where the clay-tile cannot be procured at any reasonable price. Lord James Hay has recently discovered a method of making

them of concrete stones cemented by lime; in most instances they will come considerably cheaper than the brick-tile, and, if executed on the ground, where

they will not have to be carried far, the breakage will

be found to be very little, and they will prove to be

durable. The coment made of lime is more lasting when covered up than if exposed to the atmosphere. There are two other modes of making drainspest-earth has been cut into a shape somewhat like a hollow wedge; and a sort of instrument has been made for the purpose of cutting peat-carth into the form of the tile, so as to produce an opening not linble to the objection of the wedge, which frequently sinks and pulls up the opening. A stone is frequently used to lay the concrete tile upon, and prevent its

sinking. It is also made of concrete. Many persons have expressed the opinion that, in some of the very stiff clays, drains of this sort would not be efficacious, and that the application of the subsoil plough after the draining would have no good ef-With the view of showing the beneficial results, both of draining and subsoiling. I have brought some specimens of different clays, in order to show what improvement can be made. Here is a piece from the Pass of Stirling. This kind of soil has been from the Pass of Stirling. This kind of soil has been cultivated from a subsoil, and has been known to produce excellent crops of Swedish turnips. Here is another very hard clay from Yorkshire.

A gentlemen enquired how long after the subsoiling the land assumed a different character.

Mr. Smith-almost immediately-in the very first year. It requires some years before it becomes adapt-ed for a turnip soil. I have a specimen of some soil which twenty years ago was so extremely stiff from the alluvial deposit in the Pass of Stirling, that it required to be broken with large mallets, to reduce, mechanically, the great lumps of soil. Thorough draining or subsoiling was never thought of till about twennow they get from it splendid crops of turnips, and in almost any season.

A gentlemon wished to be informed of the nature

of the soil in Mr. Smith's farm.
Mr. Smith—It varies. In some parts it is sandy clay, and in others, clay perfectly impervious to water. When I first began to subsoil there was not more than three or four inches of active soil, properly so called, for growing plants: after a labor of about fifteen years I have now an active soil of sixteen nches, and can turn over that now in any part of the

How near are the drains in order to produce that result?

Mr. Smith-Twenty feet. I think a distance of about eighteen or twenty feet from drain to drain is a proper distance for almost any subsoil I shall now proceed to detail the application of the subsoil plough.

When I began to cultivate my own farm, although I had put in the drains, I found they were not so effiescious as expected, and I then began to think of stirring up the subsoil, which gave rise to the idea of the subsoil plough. I thought I must construct an instrument which would execute the work with the least possible power. I made my plough strong, and of that form to which the least resistance would be opposed, at the same time taking care to have sufficient power fairly to stir up the soil.

I will here explain the principle of the subsoil plough. The great principle is, that there are many subsoils, which, though capable of being converted into a good soil, yet if brought up and mixed with the active soil, will so far deteriorate it as to make it for competing sterils. The great noist is a stirrunt between The great point is to stir up the some time sterile. some time sterile. The great point is to sin up the subsoil, still retaining the good soil on the surface. Stirring up the subsoil would, in the first place, very much facilitate the escape of the water into the drains: and in consequence of the passage of the water through the stirred up subsoil, and the attendant admission of air, it would be so acted upon as to be converted into secured after the water was withdrawn.

To render the field completely dry, a great number stance have I found a single drain choked up. I have tages of working the active soil as before.

Upon the application of this principle, I have been successful in every instance. The process of applying the subseil plough is this; a common plough goes along first, and removes a furrow of the active soil. After that the aubsoil plough passes along below, and scarifies the subsoil to the depth of from twelve to sixteen inches, in some instances eighteen inches. This is continued furrow after furrow, the plough going first to by the active soil on the part already opened up; then the plough comes a second time and takes oil a furrow from another part of the soil, and places it on that which is already scarified.

As to the proper period for applying the subsoil plough in places where the drains have much effect, the subsoil plough may be applied the following year: but in clay soils it is important to give the clay sufficient time to dry, and to have it in a friable state; because, in the application of the subsoil plough, when clay subsoil has been recently drained, and it is not sufficiently dry, more harm is done than good: the clay being worked in a wet state is almost prepared for making bricks. If we once work it in that state it is a long period before it recovers its friable property again. Therefore, in suils rather free, the subsoil plough may be used the second year after the drainage.

The proper time to execute drains is the summer eeason; you can then get it much more tidily done, and the drains are prevented from running. In many places there are little sandy veins and portions of running sand, which are very apt to fall in before the almost sure to be so; you may be taken with frest, which draws off the adhesion of the earth; so that it falls down, and fills up the drain. It is best to execute them in grass land before it is broken up for cropping, otherwise it is too soft. Executing it therefore in the summer season on the lee produces very little loss, because the growth of the grass in the ster part of the season will be so much increased by the execution of the diains, that you will be repaid for the time lost for the use of the pasture during the time the drains were in process of execution. After the drains have been completed, take a crop from the land, and if the land has been pretty good, it will, perhaps, afford two crops; at all events, one crop should be taken; that will pass over one summer before the subsoil is to be ploughed. During this season, the earth between the we surfaces has time to dry; it is more friable, and the subsoil plough will be more efficacious in stirring it up. It often happens that there are stones in the soil, which must be removed before you can proceed with good husbandry; and it will be found that, in consequence of the contraction of the soil, they have become in some degree loose, and will be turned out very easily by the subsoil plough. In many instances we have stones exceeding 200 lbs. weight, which are turned out very easily by the subsoil plough with four herses.

With regard to the direction in which the subsoiling ought to be carried, I should say at right angles with the drains; you thereby form channels, from the centre to the side, in all directions. In that manner you form artificial channels from the centre of the ridge into the drain; these may partially close up, still there is an openness given to the subsoil, which will permit the water to pass freely.

Having thus applied the subsoil plough to stir up the subsoil, the after cultivation may be the common rotation of the country, such as the farmer thinks suitable. When agriculturists have subsoiled their land, they should lay down the land flat on the surface, without any ridges or furrows. Nothing is more injurious to the land than ridging it up. In the old modes of draining, it was quite necessary to have ridges and furrows; but now, when land is thoroughly drained, there is no occasion for it, and it is hurtful; because when water talls on a rounded-off surface, it imme diately begins to sink away to the lower level, and the water which has fallen on the tops and middle parts of the ridges is added to the water on the side, which thus has to bear a great deal more then its own proportion of water; the water carries portions of soil along with it, and the cracks are constantly filling up by the running of the sand from the higher part of the ridge to the lower part. When a field is laid down with ridges and farrows, especially on stiff land, a great part of the best of the land runs dawn into those furrows, and is deposited in large quantities at the bottom of the ridge, thereby doing a material mie-chief. If laid in a flat form you get rid of this evil, and obtain this advantage—that if the water is beneficial to the evil, which it certainly is, you have that benefit equally distributed; every part receives its own water, and the benefit which the water can give.

It is the suggestion of esientific gentlemen that the

rain in falling from the atmosphere absorbs a considerable diantity of ammonia; and if there is any af finity in the soil for ammonia, if the soil wants ammonis, the affinity will extract the antmonia from the water, the ammonia remaining in the soil for the nourishment of plants. Where artificial manure is put into the soil, some of the fibrous parts of it will be carried away with the water, and be carried down to the region to which it belongs; and although not so near the surface as it was before, it is near enough for the plants to reach it when they put down their ronts.

A peculiar change takes place in any subsoil-it does not matter what composed of-after it is plough-This change begins to take place immediately, and the soil gradually goes from the state in which it was before to that of a mould. If you examine a soil which has become mould, it is of a peculiar structure. It appears as if all the particles were connected together, and it seems to have some attractive property by gathering together in that way. Vacuities for the air are thus formed, and there is a tendency to absorb and retain as much moisture as is useful to the plant. If filled entirely with moisture it is injurious to the plant, but if a certain quantity, becomes beneficial; and when a great depth of soil is attained, there is great advantage indeed, in either a wet or a dry senson. In a wet senson the water flows away, lesv ing the soil in 6 dry state; but in consequence of the mouldering state in which the soil is, it is retentive of moisture, and there is a great magazine of water preserved in soil for a dry season. Being covered by the active soil, the drought may penetrate a few inches, but in consequence of the lower part of the soil being covered with this upper statum, it is detended from the extreme action of the rain, and a very dry atmosphere. It will be found that in soil so treat ed and converted into this mouldy condition, in dry seasons sufficient quantity of moisture will be retained for the use of the plants, which will grow vigorously when land in the same neighborhood is completely dry.

I do not think that it is possible to drain land too much, from the fact that the mould becomes an excellent magazine for the retention of moisture. A circumstance took place in regard to this in my own district, in 1826, a very dry season. In that year there was so long a period of dry weather that the pond was dried up, and there was a great deficiency of crops. I had a field which had been treated in the way I have explained, and I had a crop of hay on it. in the country round produced not above half a crop. On this field, which I had deepened to I6 inches, I had a splendid crop. A proprietor of land in the neighborhood, one of the old school, resisted to the utinest with regard to the result of thorough draining and subseil ploughing. A person occasionally em-ployed by me was also engaged in doing work for him. He had asked about this hay, and the old gentleman was rather puzzled at the state of the crop, and exclaimed that he really thought I had drained my land so much that I should have no crop at all. He was immediately after this completely weeded to the syctem, and from that day he has been vigorously engaged in introducing thorough draining and subsoiling all over his estate; and he is now having a great deal of poor soil, on a very rich and productive estate, treated in the same way. Taking the average of that gentleman's estate, he now produces double the quantity of corn that he used to obtain. He now grows potatoes where he could not grow them before, and on the old clay he produces regular and large crops of turning.

An inquiry was made as to whether there was any land where subsoil-ploughing would be successful without thereugh draining.

Mr. Smith-I am much obliged for that hint. Many persons have thought that ploughing the sub-soil might de without thorough draining, but there are few instances indeed in which that application of the plough will not be hurtful instead of being benefi-cial. If you have a retentive bettom which will not allow the moisture to pass away, it must remain till absorbed by the atmosphere: therefore the greater the chambers for receiving rain, so much the longer will the land be kept in a wet state. The practice which new prevails in the English clay districts of pleughing with a shallow harrow, has arisen from the experience of ages, which has taught them that ou such soils you cannot cultivate wheat if you plough a deep furrow, because you make just so much the larger chambers to receive water. Even in open soils would not recommend the application of the subsoil plough till the therough draining had been executed.

A gentleman asked if it was necessary to repeat

the aubsoil ploughing?

Mr. Smith -- It may not be essentially necessary to repeat the subsoil ploughing, but it is beneficial, repeat the plaughing at every shift, every time I break up my fallow.

la it always done in the same line? Mr. Smith-Generally; sometimes I have done it obliquely.

Did von over try it diagonally? Mr. Smith-Yes; perhaps it is botter to do it in that way according to the drop of the land. The first idea I had was to use the subsoil plough; then I thought I might use the trench plough, and that I might, the next shift, turn up the whole soil, so as to have a complete mixture. In some fields, where the soil was of a better quality, and there was more vegotable matter, I had excellent crops; on the poorer soils, I found that by bringing up the subsoil to mix with the active soil, after the first shift, I did a great deal of mischief. I found, especially with regard to grass, that I could not get that growth of plants which I had before; immediately on observing that, I resolved a third time to go over those fields, and that I would again use the subsoil plough: I have now (sllen into the practice of doing so every time I turn. I took up at the first shift, perhaps shout 3 inches, even in the poorest field; the next time 3 inches more; and by that means I gradually attained a thorough depth of soil to the extent of sixtsen inches. On my own farm I have a therough depth of sixteen inches. but that is in consequence of using a trench plough on the second shift; and in some fields that was unsuecossful. If I had had then the experience I now | ave. would use the subsoil plough at each shift; instead of going down the whole sixteen inches. I would only take up perhaps three inches the first time and three the next, till I had completed the depth of sixteen inches.

A Gejitlemen-In draining in the summer season, how do you get the level?

Mr. Smith-By the spirit-level, of course.

A Gentleman-The great object would be to get it done cheap; but it would be much more expensive if done in the summer.

Mr. Smith-No doubt; but if I had the choice of executing drains during the winter, at an expense of 50 per cent less than the summer, I would prefer deing it in summer. The efficiency is of far more importance than the expense.

In summer semetimes the land may c too hard? Yes, In some places, but the bulk of the land will retain as much moisture as will enable you to get through it with the plough. Of course that will very in different parts of the country. In some places it had better be done when the ground is more moist. Still, I would recommend it to be done, not in the winter, but in the spring or autumn.

A Gentleman—I may be perhaps allowed to say that there are cases where subsoil ploughing is effective without therough draining—as, for instance, in the soils of the moorlands. I have tried it myself in the moorlands, and have found that by simply breaking up that pan which holds up the water which made the lands dry in summer, and wet in winter, all the water escaped; and lands before not worth 5s. an acre, let for 20s. after it was done. That was certainly a peculiar case.

A gentleman inquired whether the rocks under the

stratification were horizontal or perpendicular.

Mr. Smith—There was very little stratification at all. I am aware of what has been stated with regard to destroying the pans, such as are placed upon gravel; but, therough draining may be applied with advantage to sand or to gravel; and though in the gravel the opening must be at a considerable distance, and consequently the water will be long in finding its way out, if it gets into the channel it will go off easily. These dry soils retain moisture a great deal too long for agricultural purposes. A neighbor of mine was draining his land—a sort of irregular subsoil—and in some places had very considerable rute or rising ground with sandy and gravel bottom ; he instructed his stoward to stop the drain when he came to those holes. This was done, and two winters after the gentleman was coursing one day, and all at once his horse sunk over the fetlocks in the soft ground. He called out to his steward to know the cause, and his steward explained that this was the portion of land on which he had desired the drain to be stopped. This fact illus-trates what I have said, that when agriculturists have determined on draining a field they should resolve to drain it wholly, otherwise they are only throwing the expense away. Where persons have drained wet parts, and left what they considered dry undrained, they have soon found that the land formerly the wettest was then driest, and when the part which had been drained was ready to receive the seed, they were de-

layed a few days till the other portion was sufficiently dry. In a country where we have much changeable weather, all agriculturists know the advantage of a single day. If a field is uniformly drained all over, you will, perhaps, be able to sow your seed one, two, three, or four days earlier than if it were not drained : sometimes now you lose the opportunity altogether, because it frequently happens that two or three days intervene; very newly dried land will be ready for being sown, whereas other land, which was not drained, would require a week or fortnight before you could

With regard to the application of thorough draining on porous bottoms, no doubt much good will be effect ed without subsoil ploughing. I have found it most efficacious on sandy and gravel bottom. I have known instances of land of that nature being very greatly improved after being stirred up by the application of the subsoil plough.

A Gentleman-Your observation apply to thorough draining; many people call it furrow draining. wish to know whether you have any reference to deep draining, and how, as in the case of a spring lying deep, you meet the difficulty occasioned by the water. Two feet and a half drains would not touch a spring such as that described on the diagram. How do you get swny the spring water?

Mr. Smith—They are called furrow drains, because they are made in the furrows. I call the mode of doing it thorough draining. I use the term to express the result. They are called sometimes wedge drains, top drains and tile drains : but the principle is, that you have the drains sufficiently close together to carry off the water quickly; and then, that the best mode of laying them off for that purpose is to arrange them in parallel lines, and carry them as much as possible in the sloping direction of the land.

With regard to springs, the spring water can do no harm till it enters the subsoil: so long as it keeps be-low that, you need not care about it. The moment it reaches the bottom of the drain, it finds its way into it, and will be carried off by it. I have found it necessary, sometimes, to carry a drain through the eye of the apring. Springs aometimes come in little channels, at other times in a sheet, according to the nature of the subsoil. When they come in a sheet, the cross-cutting completely sesrifies them. If a spring comes out at a round opening and happens to fall in between two drains, I have found it necessary to cut the drain into the eye of the apring. But in every instance where the water flows between two beds, I have found that, by cutting the drain across, it was completely cut off.

I will now describe to you the mode of constructing the draining tile of Lord James Hay. One way of doing it is to construct the tile on the ground, and then carefully place it in the drain; the other is to execute it in the drain as you go along, and immediately to cover it up. The composition of the tile may be varied considerably, but the proportions which I have found to do very well are-

o do very well are— I port
Lime ... I port
Blackened cinders ... 0½ part
3 parte Gravel..... 3 parts

making altogether 71 parts, or I measure of lime to 61 of aand and gravel; the cinders may either be used or not. The gravel selected should not be of a large size.

A question has been handed to me, as follows:—
"What effect have thorough draining and subsoil ploughing on the habit of throwing out the wheat plant by frost?" It is well known to be owing to the moisture that the wheat plant is thrown out, and whatever removes the moisture, will have the favorable tendency required. I have know many places where almost every winter the greater part of the plants were thrown out. Now, the result of thorough draining and subsoil ploughing is that they retain the

plant perfectly well, and have very abundant crops.

The best of the two modes which I mentioned of forming the tiles, is to make them just where the drain is wanted, and in a few days they will become so dry that they can be placed in the drain. One disadvantage is, that these tiles will not stand carting for a length of time. They require several months before they will abmit of being laid one over one another. But, in most instances, the making of the tiles can be accomplished on the spot, and in the course of a few days they may he put into the drain. It is, then, of great importance to cover them immediately with some light soil, free from atones, and to beat them down so as to preserve it from injury. If there are any stones in the soil, they may get down to the tile and seriously injure it.

ing the tiles in the drains, which is done by placing the mould in the place in the drain to be occupied by the tile, then laying upon it the concrete, and after pressure by an instrument similar to that used in the former process, drawing out the mould by means of a long handle attached to it for that purpose]

Thave an interesting communication to day from Scotland, which, though not immediately connected with the subject before us, bears intimately upon it. There are great doubts respecting the propriety of putting seed deep into the soil, or covering it very light-Experiments have been made on that subject, but none so conclusively as that which I have now before me, which relates to the springing up of the more tender seeds, the grass seeds; and it shows the great importance of having a shallow covering over them. This experiment was made by the Messrs. Drummond of Stirling, the individuals who first introduced the agricultural museums.

This experiment tends to show the great importance of a light covering to grass seeds. I have made a barrow of a peculiar construction, which reduces the surface soil very much without tearing up the ground. It has no teeth, but acts by little sharp dises, closely set together, which curve very slightly. I have found this instrument also very efficacious if used as a bush

Continuation of Mr. Smith's Lecture.

The report of Mr. Smith's Lecture was given from the Mark Lane express, which did not contain the diagrams to which Mr. Smith is reported to have refer red when lecturing. After that report was in type we received a second copy of the Lecture in the London Farmer's Magazine, with the diagrams. For the gratification of our readers we subjoin these diagrams with the accompanying explanations. Though not in their original position, they will not be found out of place; and the mere report of this lecture to any intelligent farmer, is worth ten times the annual sub scription of our paper.-En.

I shall first endeavor to illustrate by a diagram, the mode in which this system of drainage operates

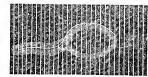


A represents the atmosphere, B the active soil, and C the subsoil stirred by the plough; D represents the part of the subsoil above the level of the drain.— When the ground has been so drained, the first effect that takes place is the drying of the subsoil, which begins generally at the drain, however close and dense it may have been; it begins to crack there by the water giving way. These cracks are continued till they pervade more or less; and in the course of a few months, or perhaps a couple of years, they may have obtained complete effect; the whole of the soil has become dry. become dry. The soil which has been worked he-fore on the surface of the subsoil, is in an open state from its former working; the rain falls on the earth, and is received into the intervening spaces, the cham bers all receiving so much rain, and the different parts of the soil absorbing a quantity of rain. But while the rain is falling, the drains are carrying off the water from the whole mass. Of course when the rain ceases to tall, this water goes off more rapidly.-At first it will be brim full (if I may use the expression) of water; it is constantly running off, and the water gradually subsidea.

The usual practice is to make the drain two feet deep, but I prefer two feet six inches, for this reason, that it is of the greatest importance that the whole should flow off as rapidly as possible. Persona are apt to suppose that the water will not find its way to a drain at a great depth, but that is in sume measure a great mistake. When there is more water to pass through, there is more retardation to the passing of the soil; but, notwithstanding, by giving the drain the inclination which I propose, you have the water carried off much faster. There is also this advantage -that when there has been a long season of dry weather, the whole of the bench becomes completely dry; and in that case it takes much rain to wet it, and if the rain is not very abundant, perhaps the water will not stand higher than B. When water falls upthe soil, they may get down to the tile and seriously ing soil, there is one very great advantage in havilities them to subscribe ing a large bench besides. There is a quantity of air siderably improved, and which file sll the vacuities in the soils—the active lanswer for remittances.

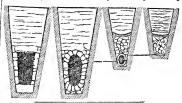
suil itself, the stirred subsoil, and the subsoil which bas been laid dry. When the water has drained off, sir takes its place, and the action of the air is very beneficial on the whole of the soil moved, particularly the active soil; and just in proportion as you have a great area to receive the water, and to receive air as the water is drawn off, so in proportion you have a tide of atmospheric air passing through the belt of active soil which is found very much to improve it. We know this soil is very much improved by exposure to the atmosphere; but if it improves in a greater degree by exposure to the sun and light, it is still importantly improved by the passage of the air to the lower strata when the water is withdrawn.

In order to render a field completely dry, it is neessary that a great number of drains should be placed in it; and the position in which they should be arranged will be obvious from this diagram, which represents a field sloping down, with a rising ground in the centre, and rising ground towards the side.



This is made for the purpose of illustrating the mode of laying off drains, and the mode of estching the water when any hollows intervene. In laying off the drains, you will drain the field more effectually by laying them off in parallel lines, than by doing it in any other form: because, if you depart from the parallel lines, you get into corners, and into some spaces not so near the drain, and others too far from it. But in laying it off in the manner shown in the diagram, you get a complete effect on the whole sur-When drains are laid off to run in the direction down the slope, they have a much greater effect in draining than when laid across the field. It is inther difficult to induce persons to believe this, but it is the fact. If carried across the field, though they may catch the water, yet, having less declination it will remain longer at the bottom of the drains. Another obtection is, that the water which is there retained has a tendency to sink away to the sidea of the drain, and therefore will probably come up some distance below the drain. But if the drains are carried in the direction pointed out, you cut the drain so that the water constantly sinks into it; and though it may fall a lit-tle into the slope of the hil, yet the greater part of it goes to the drain.

[Sections of the several kinds of drains referred to]



Paste for Sharpening Razors.

Take oxide of tin levigated, vulgarly called prepared putty, one ounce; saturated solution of oxalic acid, a sufficient quantity to form a pasto. The composition is to be rubbed over the strop, and when dry a little water or nests foot oil is to be added. The oxalic acid having a great attachment for iron, a little friction with this powder gives a fine edge to the rozor .-Eng. Pub.

Important Notice.

There is a large amount due us from Post Mesters and Agents in the Western States and elsewhere, mostly in small sums it is true, but our whole resources depend on such small sums, and therefore we hope no one will delay sending on that account.

IF One word to our friends .- We have a large supply of back numbers of the current volume on hand, which ought to be in the hands of subscribers. Will you not help us-would you not be doing your neighbors as well as ourselves in real kindness, by soliciting them to subscribe? The currency is now considerably improved, and bills of most of the atates will PUBLISHERS.

Saft for the Ginb Worm.

MR. COLMAN-In examining a neighbor's field of corn, I perceived some of it cut off by the grub worms, and deemed it best to examine my own. To my surprise I found they had been destroying my own at a great rate; and had made their way into the garden and were engaged in cutting off the cabbages at the rate of four or five every night. It appeared that they did not touch them by day; and when I went out in the morning I found my cabbages gnawed off close to the ground. I first applied ashes to the hill, but without effect; then soot, but it was like the wind and did not affect them. Scotch snuff was then recommended to me, but it availed nothing against them. The June number of the New Genesee Farmer, however, arrived about this time, in which it was stated that salt was so disagreeable to the grub that it would effectually protect the corn and cabbages. I had tried every other preventive which I could hear off, and determined to make an experiment with salt. I applied, therefore, about two table spoonsful of sait to each hill of corn or eabhage, and laid it so as not to touch the stalk or plant. Not one has been molested by the worms since. though they have begun to eat the weeds in the vicinity, to which I do not make any strong objection.

I send you this statement for the benefit of farmers. From a three years subscriber,

Yours truly, R. H. Jr.

East Bloomfield, Aug. 6, 1842.

We are much obliged to our correspondent for the above communication, and should be glad to hear from him, as he suggests we may do, on other subjects. The observations of plain practical men are of great value; and it is by the accumulation of such well established facts as these that we may arrive at the most important and practical conclusions. The application of so large a quantity as two table spoonsful of salt is prubably much more than would be effectual; but this can only be determined by repeated experiments. The salt in such case, beyond the destruction of the insect, is probably not lost, but its benefits may be felt in succceding crops. As we have before said, we mean to go fully into the subject of salt as a manure at a future time-a present, however, we throw out only one or two suggestions.

Lands in the vicinity of the sea, where sea-weed and sea-wreck are easily obtained, are, with few exceptions. essentially benefitted by the application of sea-weed. rock-weed and kelp, either simply spread upon the grass land or spread and ploughed under. Much of the benefit in these cases is supposed to be due to the salt with which these grasses are impregnated. We have often applied them with the most decided advantages. One of the best farmers of New England, living near the sea, assured us that he estimated the value of salt hay, that is, hay cut upon lands customarily flowed by the tides of the ocean, as equal to five dollars per ton as a top-dressing for his grass land. We have known, likewise, upon six acres of land, dressed chiefly and most liberally with rock-weed gathered on the sea shore, a crop of upwards of twenty-nine tons of hay, weighed, when well cured, at the town scales. to be taken in one year; and we have been familiar for years with a field of about forty acres, annually manured with rock-weed, kelp and sea-wreck, where the ordinary yield was estimated at 120 tons upon the forty acres; and as this hay was almost wholly carried to the market, there could be no essential mistake in the estimate.

These facts present the subject of experiments with salt as a manure as matter of great importance; and as the cattle in the interior, remote from the sea influences and atmosphere, require frequently this condiment or seasoning of their food to be given to them. may it not be inferred from analogy, that lands remote

element of fertility, and receive an equal benefit from its application?

The use of salt as a manure is not new at all; but while it has been fully settled that a certain amount is almost invariably beneficial, any excess is directly pernicious. To determine the safe medium is greatly to be desired, and can only be ascertained by repeated experiments judiciously made; and in which all the sircumstances are carefully noted.—Ed.

Salt for the Grub Worm.

Since sending to the press the communication of R. II. Jr., on salt as a protection against the grub worm, we have received the subjoined, confirmatory of the foregoing, which we have much pleasure in inserting, and beg that we may again and often hear from our correspondent.—Ed.

Extract.-London, Canada, 15th August, 1842.

I should be glad, through your columns, to thank the individual for his article on applying salt to plants to kill the grub, (not the gentleman who recommended a table spoonful to each plant, but the one who applied it to the plants at the rate of a bush I to the acre). Previous to reading this article, I had tried several things and had planted over and over again and again. but my plants were as quickly destroyed, and I was about to give it up as a failure when your number came to hand and I saw the article on salt. I immediately put about a pinch to each plant, which I repeated a second time, and I had no more grubs. We had, however, at this time moist weather.

On mentioning this remedy to a friend, he said he could then account for a fact, which before had to him appeared a mystery. It was this, when he set out his plants (cabbage) he watered them with water from a salt-pork barrel daily, for about a fortnight, during which he had no grubs; but thinking the cabbage plants had sufficient root, he discontinued, and soon after he found the grub attack his plants as much as his neighbors. The salt in season enabled me to have cabbages in scason; and should I receive no other benefit from the perusal of your N. G. Farmer than this simple cure, I shall consider my half-dollar well laid X FARMER.

Rust in Wheat .-- Rusted Straw for Cattle; an Inquiry.

We hear many complaints from different parts of the country of injury to the wheat from rust, and of short and imperfectly filled heads. These complaints are not extraordinary; but they are not wholly without foundation. Yet there is ample reason to think that the crop of wheat throughout the country is unusually large and fair.

The inquiry of our correspondent in relation to the effects of giving rusted straw to cattle, are very important. We request the particular attention of experienced far.ners to them, and beg that we may hear from them on the subject at an early date. For ourselves we have used it to some small extent, but always with great misgivings, though with no ascertained injurious results: in these cases, however, we never used it alone without hay; and always felt that the litter yard was a much more proper place for it than the crib.-Ed.

Ma. Editor-The wheat in Tompkins county has probably suffered more from the effects of the rust this season, than any other county in the state; consequently the produce will be considerably diminished. It is confidently believed by many that it will fall 50 per cent below an average crop.

In some sections the yield is above an average one, and the berry very plump and fine; while perhaps in districts two miles distant, the failure is only partial,three miles, there are instances of a total failure.

As is customary with us, and with tarmers in all places, many feed much of their wheat straw to their from the sea may be in some degree deficient in this cattle; but this season, the straw is o much rusted that Northumberland, Grafton, Oct. 12th

some are apprehensive that disease may be produced if discused straw is fed to them-instances being known. it is said, of its having proved fatal.

I am informed, indirectly, by Judge county, that some years since, he lost all his stock, and many cattle of his neighbors also suffered much, in consequence, he believes, of feeding rusty straw.

Judge - is known among us as a man of much discernment and discrimination, and I have never known his integrity questioned. I will endeavor to prove his statement of the matter, and will forward it for publication; therefore, you need not receive it as "all talk and no cider." Do you or any of your correspondents know these things to be so; if you or they can speak affirmatively, please inform us.

CHARLIE.

Agricultural Intelligence. THE NEW YORK STATE AGRICULTURAL SOCIETY holds its annual Show at Albany, on the 27th, 28th, 29th and 30th of September. It is designed to be a great occasion for the farmers. Two thousand dollars are to be distributed in premiums; and the competition we have no doubt, on public as well as pecuniary grounds, will be the most extensive and spirited that has ever taken place in the country. No pains will be spared to render the occasion worthy of the State. Better than all other things, it will bring together many of the most intelligent and best friends of agriculture throughout the State and the United States, on an occasion where no party and sectarian interests can disturb the festivities; where they may stimulate and assist each other in their best of all improvements; where reflecting minds will have occasion to contemplate with the highest sentiments of religious gratitude the beneficence of the Creator in his abundant provision for the sustenance and comfort of his creatures; and find stronger and stronger motives to make this provision yet more abundant, that the comforts of life may be so widely extended in our fertile and free country, that not one of his great family shall be sent empty away from the table of his infinite bounty.

The Trial of Agricultural Implements will be on Tuesday, the 27th. The General Exhibition on Wednesday and Thursday, the 28th and 29th. The public sale of stock, &c., on Friday, the 30th.

Farmers disposed to contend for the premiums are reminded that the regulations are absolute, and will be strictly adhered to.

Cattle Shows, Fairs, and Ploughing Matches.

We subjoin a notice of the times of holding the several Agricultural Fairs, which come within our knowledge, within the district where our paper principally circulates, and shall keep it in until the times arrive. We shall be obliged to the Secretaries of the different Agricultural Societies in New York, Ohio, New England and Canada, if they will give us (post paid) the notices of their respective fairs.

New York State Fair, Albany, Sept. 28 and 29. Monroe County " Rochester, Oct. 13 and 14. Outario " Canandaigua, Oct. 12 and 13. Genesee " Batavia, Oct. 20 and 21. Oct. 5 and 6. Wayne Palmyra. Livingston " Oct. 4 and 5. Geneseo. Oct. 11 and 12. Oncida Rome. Waterloo, Oct. 20 and 21. Seneca Tompkins " Ithaca. Oct. 6 and 7. Oct. 5 and 6. Onondaga " Syracuse, Jefferson " Watertown, Sept. 15. Auburn, Oct. 12 and 13. Cayuga Oswego " Oswego, Oct. 5.

Buffalo,

Fairport,

CANADA.

Oct. 5th & 6th

Oct. 19th.

Durhsm, Bowmanville, Oct. 18.

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Gray's Elements of Scientific and Practical Agriculture.

This compend is designed to supply a great desideratum among agriculturists. It has been compiled from all the important works on the subject which have appeared in the last few years. Its object is to exhibit the principles of agriculture, and to set before the farmer the chemical and philosophical ressons for many operations with which the practical farmer is familiar. It presents at the same time many new principles and reasons on the business of agriculture. It is the posting up of the discoveries and elements and details of this first of arts and sciences to the present day. It is not a servile copy of any work, though it pretends to little originality. It embodies and carries out the grand principles of Liebig, perhaps the most distinguished of all the scientific agriculturists of the day. "Agriculture, says he, is the true foundation of all trade and industry-it is the foundation of the riches of states. But a rational system of a riculture can not be formed without the application of scientific principles." The nature of soils, the influence of manures, the compenition of vegetables and the laws of vegstable life, the changes produced by cultivation upon the soil, the most economical means of preserving the heart of a farm or field, and the reasons of the wasting influence of some plants and some modes of cultivation-all these need to be well understood. The great progress in this knowledge has been the result of the advancement of chemical knowledge and its application to practical agriculture. A great amount of this knowledge is contained in Mr. Gray's work, and presented in a form attractive, while it is scientific, minute and clear. The work indeed must be read and pondered; it must be studied, and made familiar. It is a dishoner cast upon agriculture, to suppose that its principles or practice are too free or simple or obvious, to require much thought, study, effort or windom. Where the larger works of Johnaton, Lishig, &c., are not possessed by the farmer, the work of Mr. Gray will be a great addition, and not be out of place even with those.

Mr. Gray maintains, in opposition to the conclusion of Liebig, that plants do not derive all their carbon from the atmosphere through the absorption of carbonic acid gas. Mr. Gray's reasoning seems to be decisive.

It was the doctrine of chemistry thirty or more years ago, that the animal and vegetable kingdoms mutually minister to each other, and that the carbonic acid thrown by the respiration of animals, combustion, &c., into the atmosphere, was removed by the vegetable world, and that this is the grand instrument of purifying the atmosphere and continuing its purity. This is no doubt the fact. To maintain this grand principle, it is not necessary, however, to suppose that the atmosphere is the only source, though it may be a great one, of carbonic acid, the great pabulum of vegetable life.

Following great men, the author has given some particulars, nuterly incomprehensible. Thus he says, p. 39, "The most correct definition of life is given by Bichet, and modified by Whewell. 'Life is the system of vital functions.'' No man can antach a meaning to this definition. Does not the system, in which the vital powers acted, remain after death, till organic changes take place? Then life is not the system. Or, does he mean by "system of vital functions," only the totality of vital operation? Then life is life; the great wisdom in the definition. The truth is, as long ago said, we know what life does, not what life is; we define it by its operations, and not by its nature or essence, for of this we ere ignorant. We are sorry to see any such philosophical sb stractions. We are glad they are so few.

In some cases it is very doubtful whether the true philosophy has been given. The mistake is of little consequence, because on the right or wrong principle, the practice will be the same. Thus, the chief use of gypsum is maintained by Liebig to be in condensing ammonia or other elements, so that they may be conveyed into the plant. Now it is far more probable that a small portion of gypsum, petash, phosphate of lime, &c., is necessary for the full developement of the plant. The organic elements are four, oxygen, hydrogen, carbon and nitrogen; the inorganic are, besides gypsum and the others just mentioned, silex, sods, magnesia, iron, &c. The latter are aupposed to be as important as the other to the healthful and powerful action of vegetable life. To a certain ex tent these may he food and stimulus to vegetables. They may be far more important than to be the mere vehicles of transmitting other substances; and such a principle is far more consistent with the economy of the laws of matter.

Phosphate of lime is essential to the formation of bones in man and heast. In the growth of the young it is rapidly deposited; and in the older, it is necessary for a new deposit to replace that part of the bone which is removed on account of its being worn out. How bequiful that economy which supplies through the food the constant demand for this substance. In the mammiferous tribe, the very milk of the mother conveys this element of healthy growth and action. Small as is the quantity in any article of food, it is constantly passing in adequate supply, removed from the soil by vegetables, and by animal and vegetable substances returned to the carth, again to perform its wonderous work.

Plants take from the soil those substances which are necessary for their healthy action. In time, these must be exhausted, if the vegetable growth be removed, and if they are not returned by manures. For the growth of any one plant, the best manure must be plant itself, because it restores the elements removed. Thus the straw of wheat would afford the best manure for wheat; the tops of potatoc, for that plant; of corn, for corn. This is the lesson taught us by providence in the natural preduction of plants. This ductrine is insisted on by Liebig, and maintained by Gray. It may be called the first element of scientific agriculture.

The second element is the adapting the plant to the kind of soil, or the kind of soil to the plant. This opens before us the broad field of science and practice in agriculture. In the examination of this field, the work of Gray will be highly interesting and useful. We cannot enter upon the details, but we trust the farmer will examine them for himself, for he cannot fail to be amply repaid. C. D.

Fermented Vegetable Manure.

A new method of making Vegetable Manure by Fermentation has recently been patented and brought before the agricultural public, by Mr. G. Bommer. Fermers and gardeners have an opportunity of seeing a hesp of buck wheat straw under the process in the yard of Mr. Bachmeyer, 119 West Market street, in this city. Mr. B. is the agent of the patentee for this and several of the adjacent counties. By means of bis method, it is said, every farmer may reduce his straw, refuse hay, corn stalks, and all other vegetable materials, to rich, nucleuse manure, within 15 days, and at very little cost. The preparation is very simple and

This Manure is a composition of animal, mineral, and vegetable substances, and may be made at any season. A compost may also be made with common earth, where etraw and other vegetable matter is wanting, which will answer all the purposes of animal manure, and prove a superior substitute for lime, plaster, sabes, &c. The process produces nitrate of lime, potash, ammonia, and saltpetre, four of the most fertilizing properties of good manure. Among those who have tried it with success we notice the name of Mr. J. W. Pointer, of Morristown, and Mr. Pierre Grey, of Madison, whose testimony we subjoin:

"Mr Bonnier ins publicly unde upon my premises in Vegetable Manure. The result of his process bas been entirely satisfactory to me and those of my neighbors who have witnessed the operation, and examined the product.

"The materials made use of in that experiment were straw from my barn, made into a heap on the 5th of May last, and opened a formight afterwards. At that time the straw was found altogether decomposed, and changed into a dark Manure, very unctuous and rich, having a strong smell of ammonia, and of good litter.

"And I hereby further certify that this Manure has been used on a field of Turnips, in which it had an excellent effect, and also in my garden, where I obtained superior vegetables, among others some pumpkins of an extraordinary size for the kind, as may be seen at my house.

PIERRE GREY."

The Norwalk (Conn.) Gazette of the 12th inst., speaks of a queeestul experiment, in that place, with Sedge, a coarse grass which grows about the flats of the harbor, mixed with seaweed. Those of our readers who are interested in the cultivation of the soil would doubtless be gratified to see the heap now fermenting in Mr. Bechmeyer's yard.

The cost of this method is inconsiderable. Cleared land, intended for sgricultural purposes, (wood land excepted) under 50 acres \$10; more than 50, ten cents per acre additional. On payment of this sum, the method becomes the property of the purchaser for ever.—Newark Sentinel.

Lightning Rods.

I wish every farmer would from this time forth, keep a register of all the accidents from lightning which he sees in the newspapers—the deaths from the striking of dwelling houses, the well filled barns laid in ashes, &c., and if he is not then protected by a rod before the summer of another year, it must be from the spirit of procrastination. What is the cost and labor of erecting one, contrasted with the feeling of security,

"When o'er heaven's randing erch the rattling thunder rolls-"

What is the cost and labor of erecting one? Four dollars—not often more. The writer lately put one up on a huilding 23 feet high—the whole length of the rod was 42 feet, so that 12 feet projected shove the building, and it descended 7 feet into the earth. The iron cost less than two dollars—the blacksmith work was a dollar, which I thought too much; and digging the hole and erecting it cost about fifty cents; making only three and a halt dellars in all. The part below the roef need not be large,—not more than five-eighths of an inch; the part above should be of three or four pieces of successive sizes from one inch to half an inch, welded together, so as to form a somewhat conical piece, to stand firmly in the wind.

The height above the roof should be one half the length of the building if placed at one end, or one quarter the length of placed in the middle. It should be continuous throughout—not linked—but the joints needled together; and it should descend into permanently moist carth, which is not often found at a less depth than six feet. It may be kept to its place by small pieces of plank, with holes bored through to admit the rod, and these nailed to the heuse so as to keep the rod several inches off.

The points, which should be several in number, may be made of small iron rods welded together, and to the rod, filed sharp, and polished. Tinning them might be an advantage. When one point only terminates the rod, it is not always aufficient to carry off silently the load from a heavily charged cloud, hence an explosion follows, which in one instance familiar to the writer, melted the point of the rod into a ball, but without any injury to the house or its inmates, though the noise of heavy artillery was a mere populated.

If lightning ever struck a building protected by a rod made as here suggested, or according to its leading principles, I have not heard of it.

4. E. D

ton their widt.

The unwinding of the silken cocoon is performed upon principles of surprising simplicity, yet the popular fallacy regarding its insurmountable difficulties has accomplished more to retard the culture of silk in the United States, than any adverse cause whatever. The writer was early impressed with the prevailing prejudiec, but the first ray of intelligence was sufficient to dispel it. The first attempts were sufficient to reveal the truth, that this was the simplest division of labor connected with the art of raising silk.

Before entering upon a particular description of this art, it is proper to apprise the reader of the nature of the instrument by which it is accomplished. The standard silk reel of Europe is the Piedmontese reel. and all others combine its principles, which are these If we attach to the bars of a common reel, the fibres of several cocoons and direct the combined thread so that it shall in every revolution fall in the same place. the consequence will be that in drying, the component threads of the skein will be glued together and cannot be unwound. This is why the common domestic reel is inadmissible. The Italian reel obviates the difficulty. It is so contrived that the guides that hold and direct the thread, shall slowly vibrate, by which movement the thread is laid, not at right angles with the axis of the real, nor upon the same place as the turn which last preceded it. The threads are laid parallel to, and at a little distance from each other, and when they have travelled over the breadth of the skein they are directly carried back again, so that each alternate course crosses the other at a sharp angle. This movement allows the thread time to dry, and by the crossing of them adhesions are effectually prevented. It is somewhat in imitation of the instinctive method of the worm which never lava the threads in parallel contact, but by a sweeping motion from side to side.

The silk reel contains two setts of guides, one for gathering the fibres of the several cocoons into a comnound thread which are stationary, and the other just alluded to, for guiding the thread upon the reel, and is of course movemble. Under the first set, is a basin resting upon a furnace which heats it. The reeler aits behind this basin, and she requires an assistant to turn the reel and to perform other services in her behalf.

No other than water perfectly soft and pure will answer, and its temperature must always be below the boiling point, but generally very near it, and it must never be suffered to become foul. Before the reeler commences she must classify the cocoons, by separating the double ones into one parcel and the indifferent ones into another, collecting the excellent ones by themselves. She must be careful not to mix up parcels whose chryssles have been destroyed by different methods, for each will require medification of temperature. She must remove the loose floss and settle in her mind the size of the thread she is to form. If it be a thread of ten fibres, it will require eight to twelve cocoons, for as they run out the filaments become smaller. If it be a thread of twenty-five fibres it will require from twenty to thirty, which is the size easiest maintained, and is about the proper size for present demand. The novice had better commence with unstifled cocoons, for they play off with greater freedom than those containing dead chrysales.

She takes her station, and throwing into the basin a lew handfuls of cocoons, she presses them gently under the surface of the water with a brush composed of three or four sticks of broom corn, or a little bundle of fine twigs, until the ends of the filaments have become entangled with them, when she siezes them with the left hand and laying aside the brush, she draws out the threads, hand over hand, until they run free. when they should be fastened aside until all the threads are thus gathered up, and it is important that no more

at spat at to the lower along the noccessity for immediate purposes, for it creates confusion and waste.

She then takes a sufficient number of fibres to form two separate threads, which are at once passed through the lower guides, where they are twisted over each other twenty times, more or less, for the purpose of consolidating and rounding them and dissipating mois ture, the greatest care being taken to keep each division distinct. Each combined thread is next passed through its second guide and attached to the bars of the reel. It the water be of proper temperature, the reel may be turned with a quick movement, which immediately brings out the gossamer outline of the skein, beautiful to behold.

After the reel has been turned some time, the threads will diminish in size, some of the cocoons having broken and some run ont. This is prevented by constantly attaching new fibres as others become exhausted, and it must be done too without stopping the recl by gently touching the end of a fibre to the thread just as it passes the lower guide.* This is an operation that requires some tact, but it is easily acquired. When the capsule of the chrysalis is laid bare, it must be removed with a small skimmer, and new cocoons constantly added, few at a time. Every particle of silk should be extracted from the cocoon, which is impossible if too many are playing at one time.

This is the simple line of the reeler's duty, and to perform it well she must observe some collateral directions. She must be patient and reel without waste, and that in the most finished manner without regard to quantity, for that will depend upon practice. Her progress will be slow at first, but she will inevitably acquire adroitness. The nature of the process will soon unfold itself, and she will throw aside her written directions. She will perceive that if the water be too hot the silk will come off in masses or buns, which will break the threads or injure their beauty. If it be too cold the gam of the cocoon will not be sufficiently dissolved, and it will fly up to the guides and break the thread, or leap out of the basin. If buns should be discovered upon the skein, they are to be removed by the assistant before they become dry, and it is her duty to watch the skein and the course of the threads from the guides to the bars, that every thing runs free and smooth. When the reel has been a little time at rest, the threads must be wet before starting from the guides to the basin, or the threads would lose their adhesion, and being dry would break at the guides. The skeins should not be disturbed from the reel until perfectly dry, and this is done by starting the keys in the axis of the recl.

The reelers duty is one of constant activity, and requires quickness of motion and advoitness of touch, natural ingenuity, composure of mind and a determined spirit to succeed. She will be astonished at the result of her exertions. Understanding the principles of the art, the details will suggest themselves to her mind, and she will in a short time turn off one or two pounds of silk daily without the least difficulty. It is certainly a beautiful operation that may well engage the attention of young women, for they will find it an independent, honorable and profitable employment. J. D.

Manufacture of Silk in Ohio.

Mr. John W. Gill, of Mourt Pleasant, Hamilton Co., Ohio, manufactured during the last year upwords of \$9000 worth of Silk goods. His clear profit on the capital invested was ten per cent. He has three large cocooneries and commenced this season to feed upwards of two millions of worms, which, he calculates, will yield him upwards of six hundred boshels of cocoons, worth at present prices \$2000, but much more to him, as he will manufacture the whole crop into varione fabrics.

Bolany .- Atte ctive Female Accomplishments, versus, External Show.

M. de Candolle, Professor of Botany at Geneva, while exhibiting at his lectures a very valuable collection of American plants, took occasion to say to his audience that this collection was berrowed, and must be returned by a given day, much to his regret. Some ladies present immediately offered to capy the whole collection by the aid of their friends in one week, and the task was faithfully performed. The drawings, 860 in number, filling 13 folio volumes, were executed by 114 tennile amateurs in less than six days. The principal part of each plant was colored, the rest traced with accuracy, -the execution was invariably good, and in some instances masterly. It is said that this taste for the arte and for knowledge in general, is universal in that city.

I once travelled on a canal boat in company with a young Swiss botonist, who was educated at Geneva; his whole soul seemed filled with the grandeur and beauty of our vegetable creation; he would often leave the boat an hour at a time to walk ahead and collect specimens of plants and flowers, these he would bring on board to arrange and press in his herbarium. We had several village young ladies, passengers, going west on a visit; they were lively girls, very expensively and tawdrily dressed; but they loved art better than nature; in fact, they had no taste for the glories of the vegetable world; hence they looked upon our foreign Botaniet who could not speak English, sa they would upon a wild animal whose genius was inferior to their own. But to show that his opinion or them was not more exalted, than their estimate of him: when I asked him what he felt to be the princinal difference between these American young ladies, and those of his own country, he quietly replied, "celles ci sont des poupies, celles la, des anges," these here are dolls, there they are angels. This young man had been but two weeks in the United States, but who will say that his first impression in relation to our American young ladies was wide of the mark. He only meant to convey the idea that in his own country the intellectual pleasures are cultivated, instead of those senseless, expensive, fashionable, and demoralizing habits of external show, so universal in these United States. S. W.

Waterloo, Aug., 1842.

Songs of Birds.

It is quite amusing as well as of real utility, assisting as it does the memory to distinguish the songs of various species of birds, and thus enabling the observer readily to identify them,-it is quite amusing to observe the translations into English of their various ditties. Nuttall gives on the authority of the New England boys, the following as the Bob-o-link's song : "Bob o-link! Tom Denny! come pay me the two and sixpence you've owed me more than a year and a half ago, go, it's clear, it's clear !" A tailor observed to me that the song sparrow continued to prate round bis window, "Prick your f-i-n-ger, suck it, suck it The iron-founder rendered the robin's song wall I'' into "Skillet | skillet | two lega to a skillet, three lege to a skillet I" and a well known physician in - remarked that the same bird often gave him this admonition, "Kill 'em, kill 'em, oure em, cure cm, give 'em physic, physic, physic!' Even the frogs speak English (or rather Irish) as, "Jug o'ruml jug o'rum! jug o' d-h-rum!", or, "Paddy got dhroonk, got dhroonk, dhroonk, 'unk, 'nk !" X. Y. Z.

Tar for Wheels.

A friend informs us that the use of tar in the Essern States for waggons and coaches is now, or soon will be entirely superseded by the introduction of hoge lard and wheat flour. To prepare the mixture, the lard must be melted over a gentle fire and flour stirred in until the lard becomes of the consistence of a paste. Our friend warrants us in advising farmera and weggeners to adopt the plan. He says they will never use tar afterwards .- Iowa Standard.

^{*}This guide should be made of a plate of brass, by drilling a fine hole near its upper edge and sawing a slit to it, the upper extremity opening like the letter V, and made perfectly smooth.

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ROCHESTER, SEPTEMBER, 1842.

Agricultural Excursion in the Genesee Valley Continued,

(Account of Crops continued.)

ECKWHEAT is raised to some extent, but not largely. I could not learn that in any case it had been used as a green-dressing to be ploughed in, a process not unknown in some parts of the country, and from which I believe much benefit may be derived. The cost of the seed is a small affair; and the preference of such management over a naked fallow can hardly admit of a doubt. A few careful experiments in this case would decide an important question.

Grasses.—The Grasses cultivated are the red-clover and Timothy or Herda Grass. The meadows or alluvions on the Genesce river abound in rich natural grasses, and are peculiarly favorable to the grawth of grass.

In one or two cases, on a small scale, I found the orchard grass cultivated; but merely as an experiment; and I met with two small fields or rather patches of millet, sown probably for the same reason. The stalk was extremely large, which indicated, in my opinion, too thin sowing; certainly, if it were intended that it should be cut for hay. This is a common error. The allowance, with most farmers, of seed far a crop of millet is one peck per acre. If the land is rich, the stalk in such case becomes as large as brush; but where a bushel is sown to an acre, the stalk is small and fine, and the hay, when well-cured, of the very best description. I have myself obtained three tons to an acre, weighed, after being well cured, at the public scale.

Of grasses, clover is extensively cultivated. It is sown on the wheat in the spring at the rate of 7 or 8 pounds to the aere. It is commonly depastured in the fall, and the field is allowed to continue in clover the ensuing year, and the succeeding spring is ploughed and fallowed for wheat. In other cases it is depastured in the fall of the year in which it is sowed; and in the ensuing spring the land is ploughed and fallowed for wheat.

There may be said to be three distinct kinds of clover customarily sowed by the farmers; the first is the June or Southern clover; this is comparatively small and ripens early; the next is the Northern or Vermont clover, which ripens late and grows with great luxuriance; the third is the Ohio clover, which holds a medium character between the two. I found that both for hay or for ploughing in with the stubble, farmers differed in their choice, prefering either the Southern or the Ohio clover. The Southern clover makes the best hay and is more easily cured than either of the others. The Northern clover makes a very coarse hay.

The crop in general averages from two to three tons. The opinion of many of the best practical farmers, whom I consulted, is decidedly in favor of curing it cut but not spread, and after lying in swarth until it becomes entirely dry from extraneous wet and slightly witted, it is put into small cocks and suffered so to remain until it becomes made, which can only be determined by good judgment and experience. The cocks are then turned directly upside down, until the dampness gathered at the bottom of the cock is wholly dried off, and are then carried into the barn. I have

farmers in Massachusetts, and in other parts of New York; and the hay under such circumstances retains its sweetness and color, the flowers and leaves are not shaken off and lost, as when the grass is much tossed about and spread; and the hay proves of an excellent quality.

Timothy or Herds Grass cannot be said to be cultivated extensively, though I think some of the finest fields of Herds grass which I have ever seen, I found on Mr. Le Roy's place pear Avon, on the opposite side of the river. I hardly know what could be more luxuriant, even and beautiful. On the Genesce Flats above in the great valley, the hay was most abundant, but as I have remarked of a more mixed character. Mr. Wadsworth is accustomed to feed or depasture some of his fields so late in the spring that the crop of grass is not fit to be cut until the season is far advanced. This divides and extends his time of having, as the different fields riven in succession, and his having season reaches into September. This late-grown hay is, I presume, not so substantial and nutritious as an earlier crop would be, partaking very much of the character of rowen, but this is compensated by the advantages of the feed in the spring. The practice of taking two crops does not, that I could learn, prevail here: and this I believe from an oppressive feeling of abundance rather than that it might not in many cases be done to advantage, for with respect to many of the farmers of this rich section of country, the case must be as with a farmer mentioned in another place, who needed to pull down his barns and build greater, that he might have where to bestow all his goods.

It is difficult to estimate with any great exactness the ordinary yield of these best lands in grass, but it may be safely put down as averaging over two tons per acre. I do not know where finer crops are to be found, and this would be an under estimate of some fields, which I went into.

Hay is, in many cases, stacked, sometimes near the

Hay is, in many cases, stacked, sometimes near the barns and at other times in the fields. I saw but few instances in which these stacks were thatched; but in many the stacks were put up with extraordinary skill and care, and so were pretty thoroughly protected against the weather. Mr. Wadsworth has, scattered over his fields and meadows, a great many small barns in which the hay is stored; and at which places his cattle and sheep are fed in the winter, but not housed.

The proper stacking of hay is quite an art, which an Englishman or Scotchman understands well; and if allowed to take his own way will perform with so much skill, I may add, taste, that I have often admired these stacks for their effectual protection of the hay, when well thatched; and for their beauty as picturesque objects in a rural landscape. But it is an art of which in general a Yankee knows nothing, and in which he is commonly a sad bungler; and this not from any want of capacity, but from a deficiency of patience owing to the driving haste with which most things are carried on among us; and from a habit, but too common, of only half doing most things which we undertake.

Of Stock in the Genesee Valley and its vicinity, I can judge but very imperfectly. It is hardly to be considered at present as a stock raising district, the land being chiefly devoted to the growing of wheat and grass. Mr. Wadsworth feeds large numbers of cattle upon his meadows, but many of these are purchased and not bred by him. He has bred, however, some improved stock and has several animals of full and mixed blood. Mr. Le Roy and Mr. Newbold, in York, have a considerable herd of improved animals of a high character. I saw them merely in passing, and regreted that I could not go among them; but they are held in high estimation in the opinion of competent judges. I scarcely found a farm where any considerable num-

dried off, and are then carried into the barn. I have I scarcely found a farm where any considerable num- tor, has too much generosity to complain of this; or to known this same method practised by some of the best ber of cows were kept for dairy purjoses beyond the think we have jumped over the fence into his pasture

use of the family, The cows met with in general were of no particular breed; and were, as far as I observed, in good condition. Perhaps I should except from this eulogium the cows which go in the highway, a race which, in Ireland, are so much valued for their skill in leaping hedges and ditches; and at sales are always commended for their capacity of "getting their own living." I could get no exact account of any dairy product. The average yield of a good cow in new milk cheese was stated at about 300 lbs., and where her milk was devoted exclusively to butter, at 110 to 150 lbs. per annum. These statements, however, were rather conjectural than ascertained; but to all inquiries respecting the yield of their cows in milk, the stereotyped answer was always made, that they gave a pailful at a milking; an answer which I have always admired for its precision, especially as pails are all of one

The general impression among the farmers in this part of the country seemed to be, that while the Improved Durham Stock was decidedly to be preferred for its beauty, size, and thrift, yet for milk they were considered inferior to the best selected cows of our native stock. The first crosses have almost always proved well. How far this impression or opinion is to be valued oust depend on many circumstances. It may be mere prejudice or an opinion taken up at hap-hazard; and but very few persons, if any, in this part of the country have had that long and careful experience with the race, that would justify them in coming to so great a conclusion. The truth is, with a few exceptions, we in fact know little of this stock at present; and the haste with which some men approve or condemn, is well illustrated within my own experience, where, for example, an individual farmer of no mean judgment undertook to give their character with perfect decision, whose whole knowledge of them extended to the owning of a half-blood two years old bull for a few months.

If any man, bowever, chooses to see this stock in perfection, let him go to the farm of E. P. Prentice of Albany; and if he has any prejudices of any kind against the stock, and is not then prepared to yield every one of them, I can only say he is differently constituted from what I am. Mr. Prentice has about forty animals of the Improved Durham Short Horn, of puro blood and of the highest pedigree. He has one cow with seven heifers of her own progeny along side of her, six of which were in milk. A stock of larger size, of more symmetrical form, of equal beauty, of finer feel, of more thrift, of greater productiveness, I never have seen and never expect to see; nor do I expect to see a herd better kept, nor better arrangements for their keeping. To an amateur, to an inquisitive farmer, who desires to see what skill, intelligence and care can effect in moulding and improving the animal frame, it is worth a journey from Rochester to Albany on foot to see this stock. It is worth almost as much to see Mr. Prentice's stable arrangements and the tidy manner in which every thing is kept. Some few farmers among my acquaintance, in going there, would hardly know that they were not in their own best parlors. This, however, seems to convey a slight reflection upon some farmers' wives; but that is not my intention; and as I would not upon any account be disrespectful towards the ladies, I beg my readers to draw black lines around this paragraph and consider it as "expunged."

I have only to desire that Mr. Prentice would by a lactometer ascertain the qualities of his milk; and then that he would ascertain the actual yield in butter of several of his animals for a week or so; and when this is done, that he would show his benevolent counternance in the New Genesee Farmer and let our readers know all about it. Our friend Tucker of the Cultivator, has too much generosity to complain of this; or to think we have immed over the fence into his sasture with a view to catch and bridle one of his best colts. He has a full team always in his own stables.

The farm work in this part of the state is performed almost exclusively by horses. The horses in general are horses of all work. No horses among us are raised for the turf, and the various vehicles in use, wagons, dearborns, buggies, sulkies, &c., have put saddles almost wholly out of use. This is to be regretted, for there is no more manly, healthy, and vigorous exercise, for man or woman, than riding on horseback. The horses in general are of a medium size, and impressed me favorably.

Of the comparative expediency of keeping horses rather than oxen, or otherwise, I shall not speak in this place. Confidently as some persons have decided in this case for themselves, there are yet two sides to the question. A pair of horses is required on almost every farm for market, church, visiting and business from home; but if the team must be extended beyond this, it is well worth considering whether oxen may not be kept to more advantage than horses. We shall now give no opinion in the case, but suggest it for farther inquiry.

Of Skeep I saw some flocks, but not many large ones. Mr. Wadsworth has several thousand; the Shakers at Groveland have a considerable flock; Theron Brown of Wheatland, has a flock of 500 sheep of mixed blood. His wool brought this year 28 cts. per lb., last year 35 cts.; the previous year 41 cts. The average yield of this flock, where there was a large proportion of wethers, was 3 lbs. 4 oz. of washed wool to each sheep.

In his opinion, 7 sheep require a ton of hay for wintering. Hay is valued at 5 dollars per ton. The annual increase of the flock is reckoned at 25 per cent. The value of mutton here is very little, and that increase will do little more than keep the flock good. Giving, however, the flock the advantage of all the inc.ease, the account may be thus stated:

91 cents.

25 Lamb, 1 in 4 or 1-4th, 116 Keeping 1-7 of 500, 71 cents. 40 " Pasturage, say 111

Net balance in favor of sheep, 5 cents.

Wool, 3 1-4 lbs, at 28c.

This presents no great encouragement to the sheep husbandry. Mr. Brown is of opinion that swine and cattle are not worth raising beyond the wants of the family. I give it as the opinion expressed by him and some other farmers to me, but as a matter in my own judgment admitting of several qualifications. It is a complex question, in which a good many elements are involved, and my very imperfect knowledge in this case does not authorize me to pronounce with decision.

The value of land is rated here at 50 dollars per acre. The yield of hay estimated at 1 1-2 tons. The hay at the above estimate would be equal to \$7,50, and the expense of getting can hardly be less than \$2,50 per acre, leaving 5 dollars income in favor of the land. But on a farm it must be considered that there is much land in wood or in fallow, or otherwise unproductive: and there are uncertainties attending all crops and ensean

I regret the necessity of leaving my journal in this case unfinished; but without occupying more of the columns of the Farmer with my own lucubrations than I am willing to do, I must postpone several miscellaneous notes to another number.

To Friends and Correspondents.

in Canandaigua, a parcel of gooseberries of the fines! description in size and quality. They might any where challenge competition; and they show how much may be done by care, pains-taking and skill. I can't do it, I can't do it; I always have bad luck." This is the stereotyped cry of the Do-little family; a very numerous progeny and a very ancient race, who were born in the afternoon and never yet quite got their eyes open nor their shoes up to the heel. We are happy to recognise one of a different race, who has found out that gooseberries will not always mildew,

Messrs. Elwanger and Barry have favored us with a splendid specimen of the Bolmar Washington Plum, quite as large as hen's eggs, and with some bouquets of exquisite beauty. We have transferred the plums to fair mouths, whose tints are raddier and perfume sweeter even than that of the richest nectarine; and the bouquets to fair hands, or rather may we not say to flowers even more fair, one of which is as much, even in this land of monopolies, as any one of us poor sinners dares appropriate to himself, though of this bright order we are compelled to say

"Full many a flower is born to blush unseen And waste its sweetness on the desert air.

We should like to say more, but there is somebody locking over our shoulder.

Garger.-A correspondent inquires, what is Garget? It is a root or plant well known among us, and commonly called Poke, having a reddish stem, broad pointed leaves, and bearing large clusters of black berries. Its botanical name is Phytolacca decandra.

J. E. T .- A friend remarks in a letter to us; " I have read the articles of J. E. T. twice over. Such a correspondent is invaluable." We entirely agree with him and regret that the pressure of business engagements deprives us this month of his usual welcome contributions.

BERKSHIRE FARMER .- We have received the first number of the Berkshire Farmer, which, having been abstracted from us, we request our friend the Editor to send us another. We had only time to see that it is a monthly agricultural paper of 8 folio pages, published at Pittsfield, Berkshire Co., Mass.; and well printed, at 50 cents per year. It is to be edited by Wm. Baeon of Richmond, whose communications in the New Genesce Farmer, the New England Farmer, and the Northern Light, over his initials and dated at Mount Osceola, have been always welcome to our readers. We promise those, who choose to take the Berkshire Farmer under his care, that it will be instructive, useful, safe, piquant and agreeable. Its editor is worthy of respect for his talents and acquirements; and regard and esteem for his refined taste and his excellent moral qualities. We part with him as a correspondent with unfeigned regret, and welcome him with an equal pleasure to the editorial fraternity.

THE FARM HOUSE OF THE XIXth CENTURY,-This publication has just appeared from the press of S. S. Haskell, No. 138 Fulton street, New York. It is a translation of the celebrated French work, an Eneyelopedia of Agriculture, Maison Rustique, in four closely printed 8 vo. volumes, by Elizur Wright, Jr.; and is to be published in semi-monthly numbers of 48 pages each, in forty numbers, and at 25 cent each.

The Translator is perfectly competent to the task and promises to add some notes, which may better adapt the work to the wants of American Farmers. We have known and owned the work in French for some time. It is a complete work and highly valuable to the Farmers. What the French do in this way they do most thoroughly. We hope all the intelligent farmers in the country will seek to possess it; and we shall from time to time, as the numbers are sent to us, give some account of their contents. It will be embel-We have the pleasure of acknowledging the receipt lished with 2000 engravings, and we trust it is not too from William Turner, gardener to Nath. W. Howell late to express the hope that the public patronage will sure as the flower dries. - Eng. Pub.

be such as to allow it to be printed on better paper and with a fairer type than that in which the first number

Several valuable communications already in type are necessarily laid over. The valuable communications from J. D in Monroe, Michigan, are just received, but too late for any farther notice in this num-

The following description of the visit of our friend to the Elysian Fields, really makes our mouth water. We have no doubt it is every word true, graphic and imaginative as it may seem to any; and we only regret that we could not ourselves have accepted the palite invitation of the principal of this Academy to attend on this interesting occasion. But how we ever got our friend back from this Paradise we know not, unless be was driven out for looking, it may be, too wishfully at some of the forbidden fruit; and how he should ever dream, old and rusty as we are, that we could have an ear for this celestial music, is beyond our imagination. "OI the days of auld lang syne." But we mean to go so far this autumn as at least to peep into this Eden; and if our friend Flore, we believe the privileged resident of this charming vicinity, will condescend to give us her particular locale we mean to let ber know in person how sincerely we respect her talents and sentiments and desire a nearer acquaintance. Here we are treading again upon dangerous ground, a sort of volcanic region, full of combustible matter, and therefore stop .- Ed.

Aurora .-- Cayuga Academy:

Mr. Epiror-I spent two days the past week at Aurors, during the public examination of pupils of this Academy. Let me advise you to visit this cherming place; sail on the beautiful lake and feast your eyes on the unrivalled scenery; then luxuriate emong the highly cultivated fields, verdant lawns and shady groves; taste the delicioue fruit, banging in profuse abundance in the orchards and gardens; observe the beautiful flowers and clustering vines surrounding the tasteful dwellings; partake of the generous hospitality of the intelligent and wealthy inhabitants, and (tout beau!) lis en to the sweet music or sprighty conversation of the beautiful and accomplished ladies -and you will agree with me, that Aurera is indeed a charming place. But this is a digression .-

The Academy is the oldest institution of the kind in this part of the country, having been in successful operation for nearly half a century. Some of the ablest men in the state, were, in early life, participants of its advantages. It has permanent lunds, which essentially increase the facilities of education. A full board of qualified and faithful teachers are employed. and the apparatus and library are excellent. The course of education deserves especial commendation, for giving a thorough knowledge of the English language. This department is under the personal charge of that well known philologist, SALEM Town, author of 'Town's Analysis,' and other valuable works. Mr. Cooper, the Principal, appears well qualified for his situation; and much credit is due to Dr. Thompson, teacher of Botany and Chemistry, also to the Rev. C. N. Matoon, lecturer on Mental and Meral Philosophy. The catalogue of pupils for the past year numbers 138 males and 70 females-total, 208. The examination occupied three days, and was highly cred. itable to both teachers and pupils. An excellent address was delivered at the close by GEN. J. A. Dix M. B. B. of Albany.

Rochester, Aug. 18th, 1842.

To Prescree Flowers .- Be careful not to press the flowers too hard at first, and change the blotting paper frequently to absorb the moisture, increasing the presImportance of the Education and Training but domest landy, that whater a off they we o' the Young.

In that model of a good newspaper, or what in our humble opinion a newspaper should be, the Bos on Daily Advertiser or Weekly Chronicle and Patriot, we find some extracts from Horace Mann's Oration, delivered in Beston on the lest 4th July. Mr. Mann is the devote I, enlightened, and most efficient Secretary of the Board of Education in Mussachusetta. To him the State owea a debt, which no money can ever repay; he has broken up ground, which had lain long inert and barren, and cultivated and enriched and made it productive; and sowed seeds in drills and broadcast over the land, which will continue to bear precious fruit for centuries and ages to come-High as we estimate our own art, and in some respects in importance it yields to few others, yet what is any system of agriculture compared with that moral husbandry by which the seeds of virtue are to be quickened into life and souls are to be trained for imprortality?

We labor in our humble sphere that the earth may be made productive for the comfortable subsistence, and be embellished and beautified for the enjoyment and delight of man; but what are its richest fruits or its brightest a comments compared with the adornments of the intellectual nature, and the moral fruits of the heart and mind? We aim to give the famishing bread, and to cause the earth to yield to industry and skill those supplies which God designed that industry and skill should command; and without our art and our efforts, all other arts and all other efforts wou'lbe vain. We hold, likewise, that the success and improvement of the great art which we profess, are eminently the work of true philanthropy; and have, in various ways and forms, a serious connexiou with man's moral welfare. But we are not vain nor simple enough to place any merely worldly acquisition, any physical improvement or advantage, in comparison with the blessings of high intellectual in its connexion with high moral culture; the bread which feeds and austains our animal nature, in comparison with the true brend of life, wisdom, virtue and piety; the aliments of the immortal soul,

Mr. Mann's views on the subject of the infinite importance of this intellectual and moral training, are most admirable. We expected from him in this case as much as we could have expected from any man. and he has acquitted himself, so far as these extracts go, as well as any man living could have done. In beauty, in power, in true elequence, above all in their fearful seriousness and solemnity, we do not know when they have been surpassed. - Ed.

"O! better, far better, that the atheist and the blasphemer, and he who, since the last setting sun, has dyed his hands in parricide, or his soul in sacrilege, should challenge equal political power with the in the wantonness of their gigantic strength, should tear down the pillars of the Republic, than that the great lesson which Heaven, for six thousand years, has been teaching to the world, should be lost upon it ;the less in that the intellectual and moral nature of man is the one thing precious in the sight of God; and therefore, that until this nature is cultivated, and enlightened, and purified, neither opulence nor power, nor learning nor genius, nor domestic sanctity, nor the holiness of God's altars, can ever be safe. the immortal and god-like capacities of every being that comes into the world are deemed more worthy. are watched more tenderly, than any other thing, no dynasty of men, or form of government, can stand, or shall stand, upon the face of the certh; and the force or the fraud which would seek to uphold them, shall be but " as fetters of flax to bind the flame,

"Let those, then, whose wealth is lost or jeoparded, by fraud or misgovernment; let those who quake with apprehension for the late of all they hold dear; let those who behold and lament the desecration of all that is holy; let rulers whose counsels are perplexed, whose plans are baffled, whose laws defied or evaded;

utrance for right, one heaven for negleried childhood.

" Runnember, then, the child whose voice first lisps, to-day, hefore that voice shall whisper sedition in se eret, or thunder treason at the head of an arroad band. Remember the child whose hand, to day, first lifts its tiny bamble, before that hand shall scatter fire-brands, arrows and death. Remember those sportive groups of youth, in whose baleyon bosoms there sleeps an ocean, as yet scarcely ruffled by the passions, which soon shall beave it as with the tempest's strength. Remember, that whatever station in life you may fill. these mortale, - these immortals, are your care. Devote, expend, consecrate yourselves to the holy work of their improvement. Pour out light and truth, as God pours sunshine and rain. No longer seek knowledge as the inxury of a few, but dispense it amongst all as the bread of life. Learn only how the ignorant may learn: how the innocent may be preserved; the vicious reelaimed. Call down the astronomer from the skies; call up the geologist from his subterranean explorations; summon, if need be, the mightiest intellects from the Council Chamber of the nation : enter eloistered halls, where the scholast muscs over superfluous annotations; dissolve conclave and synod, where aubtle polemics are vainly discussing their barren dogmas ;-collect whatever of talent, or equoition, or eloquence, or authority, the broad land can supply, and go forth, AND TEACH THIS PEOPLE. For, in the name of the living God, it must be proclaimed, that licentiousness shall be the liberty; and violence and chicanery shall be the law; and superstition and craft aball be the religion; and the self-destructive indulgence of all sensual and unhallowed passions, shall be the only happiness of that people who neglect the education of their children.

Miscellaneous Matters, an Change of Plants, an The Cut Worm .-- The Pea Bug .-- The Curculio .-- The Spider .-- Flies Eating Woolen Yarn .- Summer Potutoes, - Murrain in Cattle. -- Wheat and Chess. -- Horn Ail.

We publish the subjoined letter with much pleasure. We cannot endorse all the opinions and assertions of our correspondent, and are not willing to oppose them. It is delightful to see these workings of an inquisitive and observing mind; and the letter is of great value, if it did no more than present so striking an example of intelligent and exact observation. The difference between living in the country or travelling through the world with our eyes open or our eyes shot, is beautifully illustrated by such an example - Ed.

MR. EDITOR-Perhaps you may think it strange to hear from a friend in Ohio. I have taken your paper ever since you commenced the New Genesce Farmer, but I do not recollect of seeing anything shewing the manner in which seeds of vegetables mix or amsigs. mate with others of their own species. On almost all kinds of plants and trees there are false and bearing blossoms, which might be termed male and female. on the same tree or plant. The dust or flour which these blossoms contain, is necessary to form the seed : now if this flour is taken from the male blossom of its own plant or tree, it will produce genuine seed, but if it is taken from another individual of its own species, it will produce mixed seed; hence the reason why apple seeds do not produce trees bearing fruit of their own quality; but the quality of the fruit is not changed, it being the covering of the seed. I have broken open a squash and taken out seeds to plant. when, to my utter astonishment, they produced half pumpkin and half squash, good for nothing for either, except one vine, which produced its original variety. The question may properly be asked, what agent cenveys seed from one plant to another? I answer it is the been, and all other insects that delight to visit the flowers of summer, carrying with them the dust which forms the seed. All kinds of potatoes may be planted together in one field without mixing, so with all kinds of beets and turnips. A white man and negro may as easily mix by working in one field to-

only time of amalysmation being when in the bloasom. I must dismiss this subject for abler hands to finish.

Will you accept some hints on the natural history of some of our formidable insects.

The Cut Worm or Black Grub.

This worm is produced from an egg, generally in the month of May, and grows rapidly, shedding its akin several times, until it comes into the chrysalis state. It remains in this torpid state from 8 to 12 days, depending on the temperature of the weather, from whence it comes forth the perfect miller or moth, resembling the bee moth, though a little larger and of a darker color. Its time of perfection is generally from the first of July to the middle; its food consists of all kinds of vegetables and green roots : it commits its depredations in the night while in the worm atate; it goes through with the same operations that the silk worm does, except spinning. The millers deposit their eggs in the ground in autumn, where they remain during winter.

The Pea Bug.

So well acquainted are most persons with this insect, that it needs no description, but the way it gets into the pea is not generally known. The egg is deposited on the outside of the pod; it is of a yellowish color, resembling that of the horse bee, though not quite so large; it adheres to the pod opposite to the pea on each side, when it hatches and borcs its way through the pod into the pea, where it is transformed into a bug, and remains there until the next spring, when it comes out and flies about and waits for the peas to grow,

The Circulio.

The insect or bug that destroys plums and cherries, resembles the pen bug in size and color, except the head, which is very long and slender and armed with sharp teeth or a point, with which it perforates the skin in a circular form and deposits the egg, which hatches and bores its way to the stone, which immediately causes it to perish and fall off; this insect can fly. I suppose it is what is called the curculio, though I have not seen it fully described. When this insect is held between your thumb and finger it will make a squeaking noise.

The Spider.

This insect is a friend to agriculture, although it is considered to be disgusting and poisenous, and many there are that will start back and scream at the sight of a spider, as if it were a venomous reptile. This is because tradition and superstition have got possession of our senses. I have been bit by spiders and received no more injury than from a flea; yet there may be some spiders whose bite is poisonous. The spider has eight legs and eight eyes; it sheds its skin several times in the course of its life; it sometimes survives the winter in a torpid stats; it is, like other beasts of prey, capable of enduring hunger a long time; its food consists wholly of flies and insects, which otherwise would devour our crops. Look at the multitude of webs in the morning after the fog has left the air, and you will see your field nearly covered, and all of these little nets are set to catch insects. How many thousands are daily destroyed. Yet prejudice has get such hold of our minds that we frequently step aside to crush them and destroy their nests. Whoever is guilty of doing so, is not acquainted with the history of the spider, or they set against their own best interest.

Flies Eating Woolen Yarn.

We often bear our women say the flies have eaten our varu : but this is not correct. I will clear the flies of this mischief for the good reason that they have no teeth. The insect that does this mischief is gether, as those plants can by growing tagether; the a little miller or moth, which deposits its eggs in the

voi eleth, which there I this I has subsists on bettern. But there and a consideration in new sucr which it comes out a perfect miller.

How to dig Potatoes for Summer Use.

ook round your potato hills and where you see ground is cracked there you will find a potato; it out carefully with your fingers without dis ing the roots, and place back the dirt carefully, so on until you have enough for a mess. If this roperly done, there will be no less potatoes to dig he fall. It operates just like picking encumbers; will set more if they have not got their growth, the tops will not die until they have brought n to maturity.

Murrain in Cattle.

his dreadful disease in cattle is sometimes caused leeches or bloodsuckers. The cattle swallow n when small in drinking from brooks and marshes. y eat their way through the stomach into the liver, ch causes it to ulcerste. They sometimes eat r way into some large blood vessels in the liver, ch causes the animal to bleed to death immediate-Some may feel disposed to dispute the above rtion, but I can bring living witnesses that have n them ont of the livers of cattle and put them in il of water, and they would crawl just as they do ie brooks. Cattle kept in swampy pastures are e apt to die with the murrain than those kept in pastures. I understand that cattle from Ohio do sell so well in the eastern markets as those from r states, on account of their health. Perhaps e are other causes of the murrain not known to I think I have let down one bar at the end or

ane which leads to the field of discussion, and I you or some of your able correspondents will r in and give the matter a fair examination. Wheat turns to Chess.

has been stated by some that oats that live agh the winter turn to chess, and chess, if sown, produce chess; so here we have three ways to uce chess and but a part of one way to produce at l It is no more absurd than to think that the a affects the weather or the growth of vegetables. Horn Ail in Cattle; Inquiry.

pes cutting off the end of the tail prevent this plaint, or is nature imperfect? Tell who can. Yours, respectfully,

GAIUS KING.

ampden, Geauga Co., O., 1842.

Conditions at Plaughing Matches.

e have delayed the publication of the subjoined r until now, believing it would be more seasonsand attract more attention as the Fairs and Plough-Matches approached, than if given earlier. Its estions are all well founded. It is folly to instiany such exhibitions and competitions without cribing exact rules, and without making those absolute and inflexible.

o premium in ploughing matches should ever he n upon hurrying the work faster than at a rate at th the team could work comfortably through the A ploughing match is not a race, nor a match

ast time. The depth of ploughing, the width of urrow slice, and the angle at which it is laid, or ther to be laid flat or completely shut in or lapped, ld all be matters perticularly prescribed. So vise the time of entering, the time for calling the end the time of starting, should be named and tly and absolutely observed. There is no end to vils which come in all such cases, from a relaxaof the rules, or from any extraordinary indul-

ia said you cannot make farmers come up and ad-

yarn or wool and forms itself a cell of the same case, provided it is understood that all the condition. erial, and then changes into the chrysahe state, are absolute, and that the committee will do their duty without fear or favor. In accommodation conches, how few persons will be found ready at any precise moment for starting; in rail-road and steam-boat conveyances, where the precise minute for starting is fixed and where no grace is over sllowed, not one person in thousands is ever out of season. There is no difficulty in such cases in compelling people to be exact and punctual, and the advantages of such exactness in every department of life are infinite, -Ed,

> Mr. Epiron-I feel desirous, at the approach of spring, to offer a few remarks on a subject, which I was glad to observe brought under your notice by your scientific and practical correspondent, Mr. Adams of Bloomfield, in your January number. I allude to the subject of ploughing, -a work of all others of paramount importance to the farmer. Considering the acknowledged importance of this primary department of agriculture, it seems surprising that so little progress has been made in it. I can only account for this on the principle that Agricultural Societies in America, without prescribing fixed dimensions, or attaching sufficient importance to the execulence of the ploughing, have awarded the premium for good ploughing to the competitor who skims over the ground in the shortest space of time, of which we had lately a notable instance in the neighboring county of Wayne.

While this country, in the erts and aciences generally, is keeping pace with the nations of the world, and in many instances going a head of other countries, it is to be regretted that our farmers, laying aside the prejudices of the past, will not venture upon a style of ploughing more conducive to their resl interests than the hurried, superficial mode now so much in vogue. We still hope, however, to see in future Ploughing Matches Mr. Adame' suggestion adopted. -that the dimensions of 8 inches in width, and 5 in depth, he prescribed, and that the time of performance shall be specified-asy an hour and a half to the quarter of an acrs. The judges ought then to award prizes to those who shall most strictly attend to the directions given, paying due regard at the same time to the furrows being straight, and laid at the proper angle, somewhere about 45 degrees.

The excellence of the ploughing, and not the speed at which it is performed, being thus made the subject of emulation, we might then hope for a general improvement in the art of ploughing.

Care should also be taken, as Mr. Adams suggests, that a piece of ground suitable for the trial of skill be selected; but until a proper met od of ploughing be encouraged by agricultural associations, (as suggested in the hints I have given above,) no farmer would be willing to have his ground mangled and scratched in the manner we have witnessed at some recent cubibitions.

Yours, respectfully,

A CANANDAIQUA FARMER. Canandaigua, February, 1842.

Western Prospects. == Illinois.

MR. Colman-Though wholly unused to writing public communications, yet I send you this hoping that a true, unpolished account of the prospects and doings of those living in what was once termed the "Far West," may be of interest to some of your numerous readers.

We are now in the midst of an abundant harvest. The wheat grop is very heavy, of the finest berry I ever saw. Oats, barley, and indeed all small grains, promise a rich reward to the Western Pioneer.

The corn crop is somewhat retarded in consequence to such rules. Then we would give up the com- of cold, wet weather in the months of May and June,

et should the out senson be taverable, there will be an overage cron.

There are great inducements here for the emigrant. Improved farms can be had at about their first cost. Many noble situations are yet "unclaimed," with plenty of timber and excellent prairie adjoining,-tho expense of the first ploughing or "breaking" is from two to three dollars per acre.

But although the soil is exceedingly well adapted to all kinds of grain, I think the Western farmer will eventually find it to his advantage to pay his greatest attention to raising stock, particularly sheep. When we take into consideration the low price of land, the short, mild winters, and the small expense of transperting wool, I think that the western farmer can raise it for one third or one half less than the New Englander. Common sheep are readily purchased at from two to three dollars; they grow large and thrive well on our prairies.

We are much in want of good breeds of stock of all kinds. Farmers are waking up in regard to the necessity of improved stock. They are purchasing some good Durham caule, and we have a few fine Berkshire hogs.

We have some good nurseries, and some fine young orchards just commencing to bear fruit. Here I would inquire whether the wheat crop is injurious to young apple trees? I planted an orchard two years ago, and sowed the ground with wheat the same fall. Many of my trees died, the remainder look unbeslthy, while my neighbor's orchard looks fine and healthy : his trees having been obtained from the same nursery and planted the same time, and on the same kind of soil. I have a few peach trees from the seed, planted two years last April, that now have peaches on them.

Building materials are cheap on the Mississippi River. Good pine lumber can be had at almost any landing at from ten to twelve dollars per thousand feet. Shingles from two and a half to three dollars per thousand.

Should you think this or any part of it worthy a place in your valuable paper, you may hear from me J. A. S.

Albany, Whiteside Co., Ill., July 19.

From the Maine Farmer.

Prevention of Smut.

I have for the sixteen years last past, with complete success practised the following method, viz: Washed the seed wheat and drained off the imbibed water through a common basket. In this moist condition put it into a tight tub, long box, or trough; and for every husbel so prepared, dissolve two ounces of the blue vitriol in warm water, turned it into the wheat, and with a shovel stirred it so that the liquid should penetrate the whole mass. This may be ascer-tained by the color. The wheat will assume a green-This may be accerish cast, where the liquor has come in contact with it.

This method of preparing our seed has become almost universal in this neighborhood, and we hear nothing of smut except from a distance.

OLIVER CROSBY.

Postnge and Fines.

Some remarks have been made in a former number of the Farmer in relation to writing on the margin of newspapers, and in defence of the course of the postmaster general in fining individuals for merely writing their names or compliments. The object of the post-office department is the accommodation and not the annoyance of THE PEOPLE; and when its officers go further than this in restrictive power, they become tyrants. Writing on newspapers to evade the payment of letter postage, is defrauding the government, and should not be allowed; but no man would ever write a letter merely to say "A. B.'s compliments to consequently fining a man for writing it on a paper, must be regarded as a wanton exercise of arbitrary power. How much more so then, to make him pay five dollars for merely putting his initials on the paper, which cannot in any post-lie way defraud the department.

Intellectual Culture.

Feeling somewhat gratified with the flattering notice bestowed on my former communications, and not willing to appear indifferent to, or negligent in returning a compliment, or in endeavoring to repay a "good turo," I have resumed my pen; not, however, without the conviction that many, very many, mothers and daughters of the surrounding country, enjoying superior advantages, both of acquired and natural abilities, are far more capable of enlisting the attention of the heedless and casual reader, and of inspiring the minds of the too busy-vorkers with a love for intellectual culture and general improvement. Yet I do not feel unwilling to render my "mite" in a cause replete with interest, to the farmer as well as the estleman, to the farmer a children as well as the collegiate student.

The first most natural duty of man, appears to be, to provide for the body sustenance and raiment. Our appetite prompts us to satisfy its eravings for food, our pride and ambition and the sense of heat and cold induce us to provide clothing; but often, through too much care and anxiety for those, the appetite of the mind becomes weak and unhealthy; its perceptions and energies are blunted; its longings for knowledge and inquiry into the wonderful operations of animated existence and inanimate matter are suspended, and finally almost extinguished, until some whispelings of conscience penetrate the ear of the soul, or some thunderbolt of omnipotent power startles anew into existence the hushed and neglected spirit, the crushed and abused intellect, the intelligent soul, which has been entrusted to our keeping.

The enquiring mind cannot be satisfied and can never be stilled. It is boundless in its desires, and onceasing in its efforts. It is capable of infinite expansion and endless duration; but dependent upon the will and judgment of its possessor for a proper cultivation to bring it forth in its native strength and majesty, in its purity and dignity, in its beauty and loveliness.

My feelings upon this subject induce me to address myself mostly to the fathers and mothers employed in the busy occupations of agriculture. Although I have not the experience of mature age, yet I hope the years employed have not been altogether unimproved; and while I would speak with the utmost deference to those older and more experienced than myself, I would solieit their attention to a subject involving the deepest interests of every individual. All acquainted with the history of the farming population of our country, are aware that they have had, what is generally termed, rather hard times to get through the world with credit and honor, and secure to their posterity a competence, an independent station in society. They have, as a general thing, commenced life, not in affluence and ease, but with a few hundreds of dollars, and many with nothing but health and a vigorous determination to lay

themselves a foundation of wealth and its advantages. With little or no edecation, and few opportunities for improving it, with few clothes and no money, how many of our forefathers have commenced the cultivation of the wild and cheeriess forest; hardly giving themselves nature's just repose, so intent were they on acquiring by the labor of their own hands, a support—yea, more—a comfortable, cheerful home for their children.

But while they labored to secure for their families the necessaries of life, they seem almos' to have forgotten that the mind, the foundation of all rational and exalted enjoyment, had been committed to their united care for direction and improvement. Amoust the bustle of business, the fatigue of labor, and the anxieties, cares, and perplexities of life, the cultivation of the mind has been too much neglected; and the false and injudicious opinion that the farmers had no use for much education, that there is nothing in his pursuits to draw forth the intellectual soirit within him, and that

it is of no farther importance to him than it affords facifities for the accomplishment of business, to advance, his wealth and influence, has by degrees, detached, in a great measure, from his noble and generous heart, the purest sources of human enjoyment. That part of the subject has been too willingly relinquished to the nothing-to-do and professional classes. But it ought not, it must not be thus.

Upon the father, as the head of the family circle, devolves the duty of establishing a course of regular instruction at the fireside; and the mother should be diligent and unwearied in her efforts to have those regulations observed and adhered to. But, says the busy farmer, what time have I for instructing my children. I let them go to school in the winter, and if they do not learn it is their own fault. But fathers! reflect one moment. Your children's characters are moulded by your own hand; and their present and eternal happiness may almost with truth, be said to rest upon your Let the father set the example-let him, in conversation, by reading and study, impress upon the youthful minds of his children the necessity, the advantages, the happiness, and the duty of intellectual culture: let him but succeed in the single effort of inculcating a love for reading, and then select such books as will both enliven the imagination and enlighten the understanding; that will raise the ambition and create a thirst for improvement; that will awaken the curiosity and induce meditation; that will fire the soul with courage, animation and perseverence; that will establish a love for virtue, religion and justice; and you will have little trouble to keep that child in the path of rectitude, in the road to knowledge, in the straight and narrow way that leads to happiness here and infinite enjoyment hereafter.

But says one. I have no leisure for reading anything more than my political and agricultural paper-I can scarcely spend time for that-and as for buying books for my children, I have no money to spare, -there are other things that must be attended to for all that. But what is it that must be attended to? a few more acres of land perchased? a fine span of horses and a few more cows? Or perhaps these things are already purchased and the money must be made out. Well, I am glad for one that you can have these things; lam heartily rejoiced to see the hard working man enjoy the fruits of his industry and coopony. But-that little conjunction, but, has got a word to say-dees the father, the lawful possessor of a rich and productive farm, the honest and rightful owner of fine horses and sleek cattle, of numerous herds and flocks of every kind, will be say, I cannot afford time to read anything but a paper or two? that I cannot afford a few shillings or dollars to purchase books for my family? Does he fancy that the all-wise, bountiful, benevolent father, the author, creator and preserver of himself, his family, and his possessions, will, at that great and awful tribunal, say unto him, "thou good and faithful servant, enter thou into the joy of thy Lord"? Think you that he will believe that you had no time to devote to the improvement of the mind; that you had no time or talents for the instruction of your children; no money to purchase for them the written volumes of information and knowledge? Ah! there is little doubt, there is but one conviction as to that final opinion, that eternal decision. FLORA

Brutus, Cayuga Co., August 7, 1812.

For the New Genesee Farmer, On Threshing Machines.

MR. Colman—I noticed in your July number of the Farmer, what you say as well as what some of your correspondent say in regard to threshing machines. If you have no objections, I would like to have my say on the same subject.

much education, that there is nothing in his pursuits to

In the first place, with all due deference, I dissent order, with the exception of the floor on which draw forth the intellectual spirit within him, and that entirely with you and your correspondent Y, in regard horse walks, which is much worn and may require

to this "partnership" or "company concern;" for the simple reason, that it is not often that two or thre farmers can be found that are equally careful and poin ticular in the use of machinery; and without care on attention, the best and strongest will sometimes brea or get out of order. I will state a case in point, an I have no denbt there are many others of the sam stamp.

About six or seven years ago, four of my neighbo purchased in company one of Fex and Borland's m chines. The first year, each one threshed out the crops, and all went very smoothly. Two out of th four were careful men, and, when in their possessio all was right. But mark the difference; the four partner, after using the machine, neglected to remoit under cover, and left it at the back side of his ha exposed to the weather, until it was wanted again t next season. When another of the owners was derous of threshing out some rye, he sent for the m chine, which was three miles off, and after consider ble time had been consumed in cleaning, oiling, &c every thing prepared, the horses hitched on, the m chine started, when lo, and behold ! one of the ec wheels was found to be broken, and instead at thres ing, the hands were discharged, and he was obliged send to a machinist to have it replaced, which to several days; and the consequence was, the flail h to be used to thresh for immediate use, and a pret sition was made to sell out and close the concer "What is every one's business is no one's business of course the machine must suffer.

Now, sir, I raise but little grain of any kind, stifind it a slow operation to beat it out with the flai besides there is considerable waste, in its not beithreshed clean; to be sure, the cattle will not dislitany the less on that account, but to say the least is a slow and tedious operation.

This reminds me of the Dutchman who was ask why it was that his horses were always so fat, which he honestly replied, "I tont know, for I gideen notting but straw, and dat is not half threshed It is presumed he used the flail, or what is more comon with them, beat out the grain with his hor-

The machine made at Hillsdale is, I believe, Alle patent, and a very efficient one it is too; and the l price for which it is seld, is a consideration not to overlooked in the present depressed state of the tim-

My objection to Hibbard's machine is, that it to up too much room—cannot be worked in stor weather—too much time consumed in preparation—quires a driver, and from the description, too eom cated. I concur in epinion with your correspond Y, that a two-horse power is preferable, as it costs more, and can be worked by one horse if requir An endless-chain power can be placed on a barn f—takes up little room—can be removed from one b to another and put in operation in a few moments.

One object in addressing you this communicati is to answer the inquiries contained in several let lately received on the subject, and whether "Ha power and thresher hold the same place in my este as it did when I recommended it to the notice of farmers, in the third volume of the Cultivator 1837."

As I observed before, I cultivate but little grain, from 900 to 700 businels of all kinds; still I consided a threshing machine necessary, and procured 1836 one of "Hale's Endless-chain Power Threshers," which I have used ever since, for threing, sawing and grinding; and what is very extrained, no accident has occurred, nor have I expeed one shilling for repairs; and it is now in as garder, with the exception of the floor on which horse walks, which is much worn and may require

cing in the course of one or two years. I can, refore, say that " it still holds the same place in my em that it did in 1837;" and that I have never ro tted the outlay, and consider it one of the best manes that had over fallen under my observation. 'rom the description of "Hibbard's Power." uld think it complicated; not so with Hale's, ich I will attempt to describe. It is a self supportchain, with a wood floor, running on an inclined ic, and occupies a space of three by ten feet. Alngh the box in which the horse welks is narrow, of four horses only one proved so refractory but at they were made to work; and to work it to adtage, it requires a heavy, free, quick-stepping se, with which from 60 to 70 bushels of wheat or ey, and from 80 to 100 bushels of osts can be shed in one day. The thresher is an open or eton cylinder and concave, set with small teeth it 13 inches long, secured by screws, and with the eption of breaking three or four of the teeth with

ot, no accident or expense has occurred. a 1841 I procured one of Pitt's Separators and ning Machines, and attached it to my thresher, ch does not seem to increase the labor of the horse a trifle, and delivers the grain clean for the bag; I consider a great saving of time and labor : des the separation is more complete. When the shing is performed at one operation and the fanat another, it requires more room on the floor, it generally takes as much time to clean up as it to thresh. With two men and one horse, I can thresh, bind up the straw, stow it away, and put bushels of osts into my granary, in as good order hen passed through the fanning-mill separately, I must say I prefer to have the two operations rmed at the same time.

r. Pitts is now in your section with some of his hines, so improved that they will thresh and clean uch grain, I will venture to say, as any other now e; and I have no doubt a descerning public will appreciste their value, and encourage an induss and ingenious mechanic.

has been said, with how much truth I will not end to say, "that Pitts' machine is in advance of ige-that the farmers are not prepared for so pera machine." The price at which he holds them is to be the greatest objection; still, when we into consideration the advantages they bave over e, viz : can be used in an open field ; will throsh clean at the same time, as much grain, and do it ell, if not better than any other machine, with ame power and less hands, it cannot after all be dered a dear machine at \$250. His horse power ry strong and works remarkably easy, and is so ed as not to be easily put out of order.

the time I purchased my machine, Mr. Hale afsetured them at Waterford, but seen after reed and established himself at Rome, where, I been informed, he made some improvement in resher. This establishment was barned down a years since, and he then removed further west, o what place I am not advised. It would be well would make known his whereabout, by an adsement in the Farmer:

om the six years experience I have had with his tine. I would recommend them to the farmer who vates from 600 to 1000 bushels of grain, and to armer who cultivates his thousands of husbels. uld, without any disparagement to others, advise purchase of Pitts' Thresher and Separator, as for economy as dispatch.

C. N. BEMENT.

ree Hills Farm, August, 1842.

heat was selling at Chicago at 624 cte., Aug. 23. uffalo, 82 cts., Aug. 29.

Reply to John Farmer on a National Tariff for protection.

Ma. Cor MAN-Your correspondent, John Farmer, travels without his host when he undertakes to suspeet me of mistating facts. Had he been as well informed on the subject of our National Tariff, as he is refined and witty, he would have known that the high tariffs of 1828 and 1833 did not receive even a majority of the rates of the New England States.

The votes from the Journal of the U. S. House of Representatives on the tariffs, from 1818 to 1833, will determine this. I would also advise John to read Mr. Saltonstall's report, from the committee on manufactures, March 1st, 1842. He will then learn, that the duty on American cotton as proposed by that committec, is made as Mr. Saltonstall asserts, "to conform to a statement made by Edw. Gray, Esq., on menufacture of Ellicott's Mills in Maryland." The Yankee Cotton Memorialists tell the committee plainly, that the domestic articles of most of the white, and many kinds of colored cotton goods, need no protection, that they supply not only all the home market, but that they are exported to the average amount of \$3,000,000 annually.

John Farmer asks why are the New England Factories closed and their bands unemployed at this time. I will let a manufacturer of my native town answer the question; he says, "we have four cotton factories and one of negro cloth now closed;" I asked him if a protective tariff would help them, he replied "that their own cheapness was a sufficient protection; that we had all the home market, fine prints except ed, with a fair demand for export; that over-production, from home competition and the vast improvement in machinery, had long been the cause of very restricted profits to the manufacturer, and that the present stagnation of trade precluded sales even at the lowest profits; hence the necessity of producing

But John Farmer does not seem to knew that the manufacturing interest of the United States has been fostered more than any other interest, and that its increase has been in full ratio and proportion to the increase of our agriculture and commerce. In proof of it, our imports for the 3 years preceeding the first embargo, averaged 22 millions of dollars per annum more than in the year 1840. Since 1808, it is computed that the machinery crected in New England alone, is equal to the labor of two millions of individuals. It also strikes me that friend John has an exceedingly nutshelled view of the ramifications of our foreign trade, when he says that "specie is the only article with which we at the north can pay a foreign debt." We paid eight millions in the article of flour alone last year, to say nothing of our other north. ern exports. But is not the north as directly interested in the exports of the south as the south itself? If John will attend an abolition lecture he can there learn the fact. The north manufactures and carers for the south, and receives its pay in bills on England drawn against cotton, rice and tobacco; and at this time hills are so plenty in the New York market, that specie will pay a freight from England to the United States: so far from our specie running out of the country at this time, the tide has now turned and specie is running in, to fill up the vacuum made by the explosion of our paper hubble. Hence it appears that it was a high tariff and an inflated paper currency, which drove our specie out, and that a reduced tariff and sound currency are bringing it back again. So far from specie going out of the country, it never goes out when it is indispensible for a currency at home; but when bank paper can be made not only to represent specie, but intrinsically to supply its place specie has no longer any offics to perform here, and it gives an agreeable perfume to the clothes.

will of course be experted where it is of more legiti-

I will not accuse John Farmer, as he did me, with wishing to mistate facts, when he says that "our specie has gone out of the country in an uninterrupted s ream," I only want to show him that he is at issue on that point with the report of the Secretary of the Treasury. Mr. I orward sets down the imports of specie into the United States from 1821 to 1841, at \$181,501,510, while our exports for the same time were only \$133,759,910. As much specie is brought over by private immigrants which is not taken into the above account, the amount of our imports of specie is prooably much larger than this exhibit. During the present year, 1842, the import of coin has been unusually large. So that there is but little doubt but that for the last twenty years, in spite of all our paper substitutes, the specie of these United States has increased at least fifty millions of dollars.

The difference of opinion between John and myself, is simply this. I want all our great national interests, agriculture, manufactures and commerce, protected by sound and equal laws; but he seems to embrace the delusive notion, that if we stimulate manufactures by taxing the other interests, the home market of the farmer will be so much increased by it, that he can easily dispense with that foreign trade based on exports, which has for the last twenty years furnished us somany luxuries, and increased our specie to the amount of fifty millione of dollars. S. W. Waterloo, Aug. 6th, 1842.

Niagara Agricultural Society.==Rule of Premiums.

This Society, whose fair is fixed for the 18th and 19th of October, have offered \$500 in premiums. This does them much bonor. They add farther, what ought to be considered every where as absolute, that the conditions of competition and premiums will be invariably adhered to. The crops, likewise, which will receive the premium, it is stated, will not be the greatest; but those which are raised at the least expense. We demn't entirely to this condition, as its direct effect will be to discourage effort and cultivation. The great object of all premiums in regard to crops, should be to see how much can be produced on an acre; and the whole method and expense of cultivation being detailed, any man can then judge for himself whether the increased crop will pay the increased expense . or whether such cultivation be profitable. But in the other case, by the above rule, a premium msy in fact be given for negligence and parsimony. An application was made not leng since to an Agricultural So. ciety for a premium on a crop of grain, as well as we can remember, where the applicant rested his merit in getting a large yield without having applied any manure, without having ploughed more than once, and without having bestowed only the most superficial after culture. That is, he wanted a premium for the notural fertility of his soil, which was not due to himself; or in other words, he wanted a premium for having done nothing, which can hardly be recommended by the Society as the best mode of improving agriculture. To determine the comparative profitableness of crops, an entirely different set of premiums and rules should be instituted .- ED.

Woolen Rags for Manure .- About 20,000 tons of these are annually consumed by the farmers in the South of England. They are said to warm the land. The good effects extend to the second year .- Johnson.

Red Cedar.-If the lining of drawers in which clothes are kept is made of pencil cedar, no moths or other destructive insects will get into them. This wood is cheaper than wainscot or mahogany, and Condition of the English Farmers.

DEAR SIR-In my communication published in the July number of the Farmer, I attempted to establish two points, viz: that the climate of England is more favorable for agricultural purposes than that of this country; and that the farmers of England do not fare so poorly as the letter of S. W. would lead us to suppose. In proof of the latter position, I quoted from a recent publication of Wm. Howitt. You are quite correct in supposing that he is not describing the every day life of farmers, for I gave ano her quotation in which he says " such is a specimen of the festivities of what may be called the middle and substantial class of larmers; and the same thing holds in degree to the very lowest grade of them." As this description holds good, in degree, from the highest to the lowest class, I mean of farmers, so does it, in degree, from their days of festivity to their every day fore. Now you must not suppose, that, in giving Howitt's spirited description of the good cheer of an English form house, I was advocating the introduction of similar extravagance amongst our farmers, I was only attempting to prove that the English farmers were not reduced to that miserable diet described by S. W. The farmers alluded to are, I grant you, many of them merely tenante, not like ours, freeholders, owning from one to two or three hundred acres of land, but surely this makes my case stronger. At pay rate, I cannot agree with you that it is fair to draw a comparison between the substantial freeholders of this country and the laborers of England, whose only wealth consists of their daily labor. It is neither the climate nor poor living, which induces the English farmer to leave the land of his birth, and his early associations, to seek o home in a strange land. I am satisfied that in no other climate can man and beast endure an equal degree of labor and exertion with so little fatigue; and I am equally satisfied that no close of men need to live on better fare than the English farmers. There are many other circumstances too, in which the English farmer has a decided advantage over us; he has at all times a market at hand, where he can get cash for his produce. Every farmer lives within teach of two or three towns where weekly markets are held; if he wants to buy etock he knows where to go for it, and if he wants to sell grein or produce of any description he knows where to take it; and is sure to meet with competitors ready to pay the value in cash, so that when he has psyments to make, he can provide for them without any sacrifice of property.

I have said so much in favor of England as an agricultural country, that I fancy I hear you exclaim, "if this be a true picture, why leave it?" Wait, and I will tell you. You have, as yet, only seen the bright side of the picture, let us reverse it, and what are all the advantages and conveniences above enumerated. when we find on the opposite side the titheman, the excisemen and the tax gatherer? The last named functionary has his hands constantly in your pocket; the other is peeping about to see that you do not convert your tallow into candles, your barley into malt, or gather the hope which are growing wild on your fences. But the visits of these gentlemen are as nothing in point of injustice and vexation when compared to the visit of the titheman. To give you some idea of the working of the tithe system, I will instance the parish in which I lived. It was the custom to take the tithes on a seven years lease, the rector appointed the valuer, and we had the option of taking them at his valuation, or suffering them to be collected in kind. Wa always chose the former as the less vexatious of the two. You will perceive that on this plan the best armers had to pay the highest tithe. On one occasion, we were rated at 9s. 3d. atg. per acre; produce was high when the valuation was made, but it kept Britain, by some inversion of nature's laws, could be ing out of the improved condition of the people;

fulling, so that we had a very bard bargain. We presented a remonstrance to our rector and petitioned for a reduction, but his cool answer was, " No, when I consult a physicion, I take his prescription." Mean ing, that having employed a person to value the tithes, he would abide by his judgment. We certainly could not complain of any injustice in this decision, because f prices had risen in the same proportion we should not have been called upon to pay any mere. But the hardest feature of our case was, that we had to pay him whether we went to his shop for physic or not. He drew between two and three thousand pounds per annum from the parish, and had all the duty done by curates for about £200 per annum. We never saw the rector except for a month, which period he was compelled by law to reside on his living, but he made it a month of Sundays, for he came on the Ssturday night and left us again on the Monday morning after the fourth Sunday. Is not such a system as this enough of itself to drive a man from his country, let that country, in other respects, be ever so desirable to

I recollect seeing a letter from an English farmer who had emigrated to this country. Did he express his joy at finding a climate and fare superior to what he had left? No! he commenced his letter by thanking God that he had found a spot of ground where priest had never set his foot, and showed all through his I tter a spirit of exultation at escaping from the grasping repacity of the titheman.

Yours, &c. Climate and Productions of England compar-

ed with the United States. MR. COLMAN-Your correspondent B. M. comes down upon me with a wet sail, for giving the preference to the climate and agricultural products of the United States over those of Great Britain.

As he very gravely asserts that " English horse beans are equal to our Indian corn for all feeding purposes," I shall leave him alone in the glory of his argument, and confess that I was in "error" when I gave the preference to the agricultural productions of the United States over those of England. But to shew that I did not speak without book, and that I had some authority for my "crrore," I quote the opinion of en English maeter in rural economy. Capt. Barclay, in his agricultural tour through our country in 1841, invariably extols our soll and climate in the most elaborate and even extravagant terms. while he is very general and unsparing in condemning our want of skill, and slovenly neglected system of agriculture. To account philosophically for our defects, he charges them directly to the overflowing bounties of our superior soil and climate; he says "where nature is bountiful man is invariably indolent." In England, where nature gives less, mon is more provident and industrious. Struck with admiration at the luxuriant Indian corn in the neighborhood of Philadelphia, where it was grown for soiling cattle and horses, Capt. B. frankly admits that the cultivation of our "corn entirely supercedes the culture and use of other green crops as food for stock."

In equinoctial America, where the cereal grains and tropical fruits alike abound, Indian corn is almost the only bread stuff of the country. Humbolt tells us that there is but one plant, growing from the earth, which yields as much food to man; the plantain (Mosa paradisaica) is supposed to vield more nutriment off a given space of ground; but its various adaptation as food for man and beast, bears no comparson to the Indian corn.

In Spain, Portugal and Italy, Indian corn is cultivated to a great extent as food for the poorer classes, and I here once more venture to repeat, that if Great

favored with our warm, stimulating sun, so that h soil would grow Indien corn, we should hear no me of her hungry population feeding on bread made "domp mouldy grain."

B. M. takes a narrow view of our extended co growing region, when he says "that in a good co season other crops suffer;" a large crop of corn common with other grain is very general in Oh Indiana, and in other states south and west. T present season with uo, is called favorable for all ere except corn, and yet at this time, 20th July, we be here on the "Seneca level" the Dutton corn in I bloom, with all the cereal grains on the eve of a dundant barvest.

Condition of Ireland.

The subjoined interesting letter should have be given sometime since; but was accidentally overled ed. It will not fail, however, now to be read w pleasure; and we have strong hopes that it may followed by others.

Dublin, December 14th, 1841 М В. Ватенам,-

Dear Sir-I little dreamed two months ago this d when we were at the Fair in Alexander, that I show be in so short a time in the old world. But so it ofthough I cannot reolize that I am so far from hon Steam has almost bridged the Atlantic, and broug the two worlds to be near neighbors. Three weeks day I was in New York, and I have been nearly week in Ireland.

My visit to this country is one of business as w as pleasure, and I shall see all that can be of use or terest to a practical man. I shall make myself fan ing with their methods of putting up their beef t pork, os well as butter. I shall examine their catt hoge, sheep and horses, and see their mode of far ing, and if so that I am blessed with a safe return my own dear country, I shall be able to tell our f mers all that is worth knowing upon these subjects

I have already filled many pages with notes of these points, which at a more leisure period may condended or olaborated for the public. I trouble i self very little with viewing old costles or remarks ruins. They do well for the tourist who went spend his time and make a book. The living p snit now is my object, and to that I mainly lend my efforts. Although I have been so short a time the country, yet I have not been an idle spectator. have seen some of their best farming country, their heat stock

Some of the country is very fine, especially a | tion of that possed through on the route from Cerl Dublin. To me it has a very odd looking, thou pleasant appearance. The fields are generally sm the greater part being from three to five English acdivided by bedges and ditches, which at this seas do not present a very cleanly or snug appearance. suppose in summer they look much better, though proprietors complain very much that the poor per will cut down the trees and brush during the wir for fubl. The soil is good generally, and the clim tine, though varied. Winter wheat for the lost three years has bee

very uncertain crop, and the prospect now is the will be shorter next year than was ever known before All grain or spring crops grow remarkably well, a give an abundant return. At one time Ireland u to export large quantities of wheat and flour to E land, but now she imports more wheat than she e exported. The corn factors account for it, by the creased production at home, owing to the great I attending its cultivation, and the farmers turning th attention more to grazing, which is very profital owing to the immense demand for all kinds of at for export, and an increased demand at home, gre

temperance movement having done more to regenerate the country than any thing clae. It is a very uncommon thing to see any man drunk. I have seen but one man yet in all Ireland that was the worse for drink. So that if they can, by any means, employ their people, Ireland must become a very independent state. I think as soon as it has been fairly tested that property is safe, and the people wish it, manufactures will flourish at once, and soon become a great source of wealth.

The weather, both here and in England, has been wet beyond any thing ever before known. It has rained elmost constantly for the last two months. Thousand of acres are all ready for the seed, yet they can get no opportunity to sow their winter wheat, and much that has been sown will ret in the ground Nothing but a miracle can save them frem a short crop another year. Potatoes have not been as productive as usual, and it is so wet, a great many are yet to be dag. To add still more to the misery of the people, the wet weather has prevented a great many from lay ing up their usual supply of turf for fuel : peat being the chief dependence of large numbers. The prospeet shead for the peor is indeed one of unmingled blackness. Yet the aplendid mansion overlooks the humble cabin, and the rich and luxuriantly living preprictor, cannot feel the misery of the ill-fed and half clothed cottager, though a tenant of his wide domain. Oh, ours is indeed a glerious country, and we are blessed above any other people. May we ever be mindful and duly thankful for those blessings, the half of which we cannot appreciate without seeing the misery and degradation of the people here in this old world.

Sincerely yours,

T. C. PETERS. of Darien, Genesee Co., N. Y.

Useless Complaints.

To the Editor of the New Genesce Farmer:

As this is my first attempt to spread my ideas before the readers of the Farmer, the meanness of my essay may require some apology. I live in a portion of the Union where the paper is but poorly patronized, either by subscription or contribution. Most of the essays which fill its columns, are either from the pen of the editor himself or from those of correspondents living in the same latitude in New York, New Eng. land, or the western states. Not long since, two copies of the paper made their appearance at our post office with no definite address, and though they bore no other written message than the word "distribute," I thought this in common with their being sent might be construed to mean considerable. It might signify that the Genesee school of agriculture wished to edify us Marylanders; or that they would know what we were thinking and doing; or that the Farmer desired our support; or, perhaps, all these things together. I would not be the one to undertake the cause of my neighborhood with the New Genesce Farmer, were it not that I supposed there were no other likely to do it. It is true I have some ideas not just of a local nature to communicate, but these I could whisper to that abler correspondent, who might present them in a more ettractive garb. Consequently, if my friend Colman thinks my remarks would be unprofitable to his readers, he may keep the edification to himself.

It is a common thing with the farmers of this part of Maryland and our neighbors of Pennsylvania, to be making continually complaints about the weather-It may be that you Yankees are less ungrateful and more philosophical on this subject than we are-that you do not foolishly torment yourselves with viewing only what is gloomy in every picture, but make the best of things beyond your control. If happily this ed for by the state of affairs amongst you, I hope you will send us a luminous lecture on the subject in some future number of the Farmer. I shell take great pleasure in presenting it to inv neighbors, that they may see I am not alone in maintaining that it is unreasonable as well as unchristian, to complain that our weather is not better. The religioue farmer, who is thus inclined to murmur, I would remind of the debts he owes to a kind Providence. The farmer who does not allow obligations to a superior being to occupy much place in his affections, I would remind of the unhappiness he brings upon bimself by his proneness to find foult with the weather.

Upon taking a view of the past and this much of the present year, I do not find that heat and cold, rain and sanshine, could have been more happily blended in our climate to promote the whole banniness of man. Produce of most kinds comes forth at our call in abundance, the sir has been healthy and pleasant, and yet thus frought with blessings as it is. I can hear scarcely any thing respecting the weather but a torrent of invectives. Because an occasional frosty night endangered the blossoms that had put forward prematurely, "It is the coldect spring I ever saw." When just a plenty of rain, with a temperature the most agreeable to all who have been cursed to wear clothing, was nourishing with the atmost vig or our wheat, oats and grass, "It is bad weather for corn,-the cut worm will have half of it." When the thermometer rose to 80° and 90° and we had a little moisture, quite necessary to prevent things from parching, "Won't this foggy weather be not to rust the wheat." When, just in bay time and harvest, the rains were suspended for a month together, "I am afraid the corn crops will be short." Now, while the most agreeable vicisitudes of wetness and warmth are forcing our green crops to a most luxuriant growth. almost every farmer who meets me exclaims " What a bud time to harvest." Should this essay meet the eye of any one who has been tempted to such remarks as these, I beg him to consider that should the weather be really accessary to the evils here mentioned, if his care cannot avoid them, how foolish to be troubled about it ! If, on the centrary, his management might have averted the bad effect, let him blame himself not the weathet.

Such, of late years, has been our progress in knowledge, that the weather is almost the only thing tangible, whose laws we have not reduced to our own administration. J. P. Espy and his compeers may investigate and theorize, but if they contemplate controling the winds and clouds. I despair of their success. Nor is it to be desired. This control of the elements is one of the essentials of success in farming, which the Creator has reserved to himself. He has promised that " seed time and harvest, cold and heat, should continue" to the end of the world, and hitherto he has verified his word. So auspicionaly has he order ed the elements in our favored climate, that we are actually grouning because of our abundance. How unreasonable and impious then to complain! Instead of murmuring, let us be thankful we were not doomed to toil to bring water from the clouds as well as bread from the earth. To the kindness of Providence are we indebted that this additional burden with a thousand more, were not imposed upon us. The receiver of alms has not the shadow of right to choose, and since finitless murmure about what he receives can only embitter his condition, it is both wisdom and virtue to be content with our lot.

Since I commenced this article, the 7th number of the current volume of the Farmer has come to hand. An editorial on the first page entitled " Political Anomalics and Inconsistencies." is excellent. In these be the case, and my remarkes ould be thought uncell- times of silly complaint, it is a perfect dainty in senti- fruit which they have just swallowed.

ment. Fellow farmers, consider that article. If you have any thing to say about it, I would like to hear it. I would say something myself, but am too near the end of my sheet.

I must yet notice an article on " Noxious Weeds," on page 103 of the late number. I object to the term 'noxious,'as I have yet to learn that a single plant that has come from the Croater's hand is " noxious." It is true, the sacred historian seemed to consider "thorns and thistles" as an inconvenience, when he speaks of their growth as a consequence of man's disobedience; but since the carth does produce them, we might sa well just make the best of it. We have found that thorns make very convenient fences, and to some parta of the world it would be a real loss to part with them. As for thistles, just look at the fair side of T. Tufts' account, on page 105. How much better for his brother's land, that those Canada thistles absorbed from the air s fund of nourishment for some future crop, then if, while its owner neglected it, no " nox. ions weeds" had taken possession. Continual cropping would exhaust thy land, did not a growth (of "noxiona weeds I") spring up in the intervals of culture, to replenish its fertility by their substance which is not thought worth gathering. Friend Colman, I have not room for more, thou seest; but I hope the subjects I have hinted at, will receive more ample justice from abler pens. Thy patron,

L. BALDERSTON.

Cecil County, Md., 7th mo., 1842.

For the New Geneses Farmer. "Spare the Birds."

À sert of skirmish has been going on for some time past hetween the advocates of the birds on one hand, and the friends of unmangled fruit on the other; the one maintaining that all the depredations of the feathered race on the products of their orchards are immensely overbalanced by the hordes of pestiferous insects they destroy; while the others say that the good they do is greatly overrated, and that even those insects which they do eat, are more commonly of the barmless kind, the more destructive affording not quite such delicate morsels, and as a consequence remaining untouched.

Now all this contention would much better become the mode of philosophical inquiry adopted by philosophers of former centuries, who tried to investigate the operations of nature by abstract reasoning in their closets instead of observation in the open sir.

"They could tell what time of day The clock would strike, by Algebra,"

and some of them even went so far as to get into long and angry quarrela whether two angels or spirits could actually occupy the same mathematical point at the enme time ! !

Common sense teaches that when any thing is to be ascertained in the natural world, the right way to do it is by direct observation and experiment not by splitting hairs and dove tailing syllogisms. If you want to know which way the wind blows, why, go out doors and see; or how many bushels of wheat you have to the acre, messure it; argument and guessing will not avail much. So with the hird controversy; instead of battling it out on paper, resort to direct examination. Watch their operations, and see what they eat; dissect their stomacha and see what they have swallowed; and let not hesty examination suffice. The experiments must be repeated, and repeated, and repeated, -in all seasons and at all places; and then we shall not work in the dark, but know which are our enemies and which our friends: which are devouring the noxious and which the harmless insecta; and properly estimate the pleasures of their singing, while we are sighing for the less of our fine

We publish the following Circular with pleasure, and hope that all interested will give it their particular attention. The silk culture is certain to go forward. The public mind will presently recover a healthy state in regard to it. We want the results of actual experience-facts, accurately observed, clearly atated and fully authenticated; then no man who puts his hand to the plough need look back. We have had moonshine and Jack-o'lanterns enough; mystification and impositions in abundance; now let us proceed by the clear light of day. As a branch of domestic husbandry it is sure to afford an ample reward to labor.

SILK CIRCULAR.

To Silk Growers in New England. Gentlemen : - At a Convention of Silk Growers, held

in Northampton, on the 10th Nov. last, it was unanimously Resolved, That, as during the infancy of the Silk

business, great practical benefits may be expected from periodical meetings of its friends, a committee be chosen to consist of one from each of the New England States, whose duty it shall be to call a Convention at such time and place as they may deem expedi-ent, to be called "The New England Silk Convention.

Thereupon, I. R. Barbour, Oxford, Mass., Dr. P. Brownell, East Hartford, Ct., David Benedict, Esq., Pawtucket, R. I., Dr. Arteinas Rubbins, Bellows Falls, Vt., Calvin Messinger, Newport, N. II., and Luther Severance, Esq., Augusta, Me., were ap-

pointed se this committee.

In pursuance of the purposes contemplated above, the subscribers say, that they design to invite a meeting at Silk Growers at some central place, the early part of the ensuing autumn. In the meantime, it bas occurred to them, that, by an early attention to the matter, a great amount of valuable information connected with the Silk Culture, may be collected as the results of feeding the present season, and embodied in he form of a Statistical Table to be laid before the Convention and the public.

It is cheering to know that the results of the past summer's operations have been generally decidedly encouraging,—that the aggregate of the Silk Crop in Massachusetts, shows nearly a three fold advance upon any preceding year, -... hat this is probably about the ratio of increase in the other States of New England, and throughout the country, - that public confidence, after the late revulsion, is returning to the business, and that the Silk Culture is extending itself as rapidly as correct information respecting it is diffused; thus giving promise that it will soon become fully established.

To secure this important object, all that is wanted by our intelligent and enterprising men, is facts, facts—well steeted facts. The results of feeding in 1841, could they now be sil collected, and embodied so as to give a Tabular View of the whole matter, would, it is fully believed. at once satisfy any business man, in regard to the entire fea sibility of the Silk en terprise, and that its profits, when rightly conducted, are greater than in other branches of ordinary ferming. Let us, then, be prepared to give to the public these facts, next autumn, in such a form as to command the confidence of business men. Do we not owe this emall service to ourselves, to our country, and to the unborn millions that are in future times to be clothed, and fed, and educated from the fruits of this interesting form of agricultural industry?

For this purpose it is only necessary for each one engaged in the business, whether he does much or little, to keep such records as will enable him to an-

awer the tollowing questions-

 How many scasons have you red worms.
 What quantity of land have you fed from the How many scasons have you fed worms? past season?

3. How old are your trees? (If they are of different ages, give the average.)

How many lbs. of cocoons have you made, 4. weighed as they are gathered?

What has been the expense of making the co-

coons here reported?

These questions can all be answered in figures. For a rule of estimating expenses, see below. In addition to these questions, there are a few others which we suggest.

What kind of trees do you use?

 What kind of trees up you use?
 Have your trees been essentially injured by standing out winters? Do you head down your trees in the spring ? In gathering foliage, do you cut up the bushes?

5. What kind of buildings do you teed in? and bow well ventilated? Do you give your worms any artificial heat?

Have you ever fed in an epen place, like a shed,

or corn bern, where the worms had a perfectly pure If so, state the results very particularly. Do you use air-slacked lime upon your worms?

9. Have you failed in any part of your operations the past season? It so, state the cause and circumstances.

These points will be all that is essential to the purposes designed, though we shall be thankful for any remarks or facts bearing on the general subject. give expenses by some uniform rule, we suggest the following simple method. Make a little book, in which, at the close of each day, to enter the number of hours employed by men, women, and children. Then consider the labor of able bodied men at 10 cts. per hour; women at 6 cents; hoys and girls between 15 and 17, at 5 cents; between 12 and 15, at 3 cents; and under 12, at 2 cents.

The expense of planting trees, we wish to be given by itself, as that is not an annual expense. Give us so, the fair rent of the buildings used, and we have

all that is wanted.

That we may have time to prepare the contemplated Table in season for the Convention, we wish to have the returns all sent in by the 15th of September. To every person furnishing a return, free of expense, a copy of the table will be sent. Direct to I R. Barbour, Oxford, Mass., post poid.
1. R. BARBOUR,

P. BROWNELL ARTEMAS ROBBINS. Committee. CALVIN MESSENGER. LUTHER SEVERANCE, DAVID BENEDICT,

March 24, 1842. P. S. The Committee design to send this circular to every Silk Grower in New England. But many of course will be overlooked, because unknown to Will you, therefore, show this to all in your them. neighborhood, and get as many returns as possible. In Massachusetts there cannot be less than 500 cocooneries of some sort. In New England probably not less than 2000. From all these establishments we would hope for full returns, in due time, and free of expense. All Silk Growers are equally interested in the object aimed at, and the committee, as such, have no funda.

10,000 PEACH TREES,

10,000 PEACH TREES.

Toll sale by the solucitive rat their Nursery, (near M copropagated from the Eric C and.) all of which have been
propagated from BEARING TREES, whose genuineness
or excellence has been thoroughly proved. They are of fine
and very thrifty growth, and inve allben a tleast once transp anted, and the roots thus greatly improved for again removing, so that the danger of loss or even che k in growth
from this operation, is exceedingly lessened. Price 35 cents
end, 320 per fundred, \$100 per thousand or \$100 well packed and delivered for its sport tion.

Constant succession of prefruit-from early in 8th mo.(Aug.)
till late frosts ripening according to the order in the list.
Eaktr ANS-Froit sand, good; tree of slow growth.
Eaktr Titlotron-Irust media size, exce lent; a good bearer, and a most valuable early peach.

EARLY YORE—large, sweet and rich; a fruit of the highest

Easts York—large, sweet and rich; a froit of the highest character.
White interface, white with a red check, sweet, juncy and medting, a most excellent peach, obtained probably from the celebrated Yoblesses, which it excels the peaches—be as well, and white youth the fineat yellow peaches—be as well, and white young. Seabout's—fruit large, red, of first rate excellence.
Red OLBER MALACTON—fruit rather large, the utiful, of fine flavor; ranks as first rate among ye low peaches—bears well while young.
Highs Cunta—a very large, fine, yellow peach.
Lyoruble seasons.

vorable seasons.

HEATH CLING-finit when not crow ed, and in favorable

Harm Chino—full when not crow ed, and in favorable seasons very large, often three inches in diameter, sweet and excellent.

Orders directed 'Thomas & Smith, Macedon, Wayne Co., N. Y.' wi I be promptly and faithfully attended to and the trees, a cutely packed, sort by the Eric Chand, re by the Auborn and Rochester Rail Road.

J. J. THOMAS' Macedon, ath mo. 1, 1843.

W. R. SMITH.

SALE OF SHORT HORNS IN CANADA. A VALUABLE lot of High Bred Durham Bulls, will be offered for sale by auction, on Tessaxy, October 15th next, at Dondas W. Flamber Casada.

Complete peligrees will be given Terms liber 1. Particulars next month. Easy Luke transmort.

A NEW AND SUPERIOR KIND OF PLOUGHS,
(two sizes) designed for breaking ap paramer failow,
may be purchased at the Rochester Eagle Furnace,—price
\$\frac{8}{2}\text{ fund}\$ and other produce taken in exchange.

A J. LANGWORTHY.
June, 1812.

BUFFALO NURSERY.

THE stock now on hand for side is much larger than at any former period, embracing a large collection of the most valuable kinds of the Apple, Pear, Peach, Plum, Cher-

most valuable kinds of the Apple, Pear, Peach, Pium, Chery, Quince, Nectatrine Apricot, Fildert, Strawheries, Raspherries, Goosberries, Currents, &c.

Of Ornamental Trees, Plowering Straibs and Plants, a fino assartment, comprisit galmost ever y desirable article in this dip. I ment. A large stock of Green-house? I misser and the property of the pr

Cherry, at \$6 per 100; Orders, per mail or otherwise, will receive prompt atten-tion. Trees or Plants packed in superior order and shiped at Buffalo on board of any steamboat, vessel or canal boat required. Catalogues gratis to every applicant. Buffalo Aug. 1812. B. HODGE,

Important Sale to Agriculturists.

MPROVED SHORT HORN DURHAM CAT TLE. On Thursday morning, 8th September, et 10 o'clock, will be sold, at the exhibition ground of the Philadelphia Agricultural Society, Rising Sun, on the Germantown Road, 3 miles from the city, a choice selection of splendid Durham dairy stock from the herd of James Gowen, Esq., of Mount Airy, consistmg of imported cows, bulls, and calves from Dairy Maid, Pocahontas, Victoria, &c., and by the eelebrated bulls Colostra, Prince of Wales, and Leander.

This sale will afford to breeders an opportunity of adding to their stocks thorough bred animals of high cheracter and pure blood, and their diffusion into proper hands is a primary object in this sale, together with the necessity of a separation of the herd to prevent over close breeding.

Catalogues will be ready in due time, and the cattle may be examined at the exhibition ground two days

previous to the sale. ROCHESTER PRICES CURRENT. Corrected for the New Geneste Farmer, September 1. WHEAT,....per bushel,.....\$ 81 a \$ 25 CORN, "......"
OATS, "BARLEY, " 38..... 44 19..... 22 38..... BEANS, White, "POTATOES, " 44..... 50 18..... 22 APPLES, Desert,. " 25..... 38 FLOUR, Superfine, per bbl. 4.38...

"Fine, "4,00...

SALT, "1,00... 1.25 PORK, Mess,.... " 8,00..... 8,50 BEEF,per 100 lhs..... 3,50..... POULTRY,per lh.... 5..... 5..... 6 EGGS,per dozen, BUTTER, Fresh. per pound 9..... 10 10..... 121 Firkin, 8..... CHEESE,..... " ... 6 5..... LARD, " ... 6..... 8 TALLOW, Clear, " ... 8..... HIDES, Green 4..... 41 PEARL ASHES, ... 100 lbs.. 5,00..... POT. " .. 4,75..... WOOL,pound,... 28 22..... HAY, ... ton, 6,00 ... 8,00 GRASS SEED, ... bushel, 1,00 ... 1,25 CLOVER SEED, ... 5,50 ... 6,00

COVIEW SELD.

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M. B. BATEHAM, Proprietor. VOL. 3.

ROCHESTER, OCTOBER, 1842.

NO. 10. HENRY COLMAN, Editor.

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e United States. Address M. B. BATEHAM or H. COLMAN, Rochester

METEOROLOGICAL OBSERVATIONS.

MADE AT THE ROCHESTER COLLEGIATE INSTITUTE BY L. WETHERELL, AUGUST, 1842.

	1 Thermometer.			lì I	Winds.			Heather.	
Date.	Sunrise.	1 o'clock, P.M	l h. af.sunset.	Mean.	A. M.	P. M.	A. M.	P. M.	Rain Gage
- 1		12	et.	il l					(3)
26	68	84	72	74.33	N E	NE	cl'dy	cl'dy	
97	66	78	72 72 73	72.33	N E	N E	cl' dy	fair	.35
28	68	83	72	74.	N E	N E	toir	tair	
29	68	74	62	65.	N	N	íair	fair	
28 29 30	50	74	60	62.83	NE	NE		fair	
31	59	83	73	73 66	NE	N W	fair	fair	
1	71	90	80	80.16	sw	s w	fair	fair	
1 2 3 4 5 6 7	70	74	64	67.33	N W	N W	cl'dy	foir	
3	58	63	58	59.	NE	N W	cl'dy	el'dy	
4	54	76	67	67.	SE	S E	fair	fair	
5	62	74	60	62.5	N W	N W	fair	fair	1.2
6	45	72	58	60.5	N W	N W		fair	
7	58	76	64	64.66	NW	N W	fair	fair	
8	50	62	55	56.66	NE	NE	fair	cl'dy	
9	56	55	53	53.5	NE	N E	rain	rain	.60
10	49	62	54	57.16	NE	NE	tair	fair	
11	62	84	72	73.66	s w	s w	cl'dy	cl'dy	
10 11 12	68	74	61	65.33	W	w	cl' dy	el'dy	.93
13	54	62	54	44.66	N	N	fair	fair	1.4
14	48	66	56	58.33	E	E	fair	fair	
15	58	68	60	61.5	E	E	rain	rain	.56
16	55	64	54	57 16		s w	fair	fair	
17	52	62	56	46.66	w	w	fair	fair	١
18	52	65	56	57.33	s w	N W	rain	rain	.14
19	50	61	54	53.66	N	N W	rain	lair	.10
20	42	59	53	53.	N W	w	fair	fair	
21	52	55	43	48.	N W	N W	rain	rain	.16
22	40	44	43	42.	N W	N W	cl'dy		.04
23	38	48	40	42 33	N W	N W	cl'dy		1
24	40	55	44	44.33	N W	N	fair	fair	
25	38	60	46	47.66	N E	N E	fair	fair	1

Rain (Jage fo	r August,	1842,	1.42	inch
44	4.6	16	1841,	1.60	"
4.6	44	4.6	1840,	4.04	ı E
Month	aly Meas	n, 46	1842,	67,35	deg.
64	"	44	1841,	67,34	6.6
"	"	4.4	1840,	68,13	4.6
2 cm arl	on the	Weather from	ι Αμσυ	st 26th	to Se

Remarks on the Weather from August 26th to September 25th.

Aug. 26th and 27th, gentle showers; 28th, foggy this morning; 29th, fair and continued so to the end of the month.

September, the seventh month from March, which was formerly the first month of the year.

Sept. 1st, fair; 2nd, cloudy morning-cleared off in the afternoon; 3d, cloudy; 4th, fair during the day, but rain at night; 5th, fair and continued so until the 8th; 9th, rain; 10th, fair; 11th, thunder snower early this morning, also this afternoon and jury, decide without appeal, and are never in the evening, and very rainy through the night. 12th, wrong."—Fing. paper.

cloudy; 13th and 14th, fair; 15th, rain-a powerful shower this afternoon at 4 o'clock; 18th, rain-cleared off towards night; 21st, a very windy day; 25th, a little frost this morning.

The month has been warm and wet; the rsin gage has shown a fall of water equal to 5.15 inches.

The mean temperature of the first day of September, was 80,16 degrees; the highest this season.

Note. - The planet Mercury may be seen Oct. 8th, 25 degrees and 7 minutes east, angular distance from the Sun.

Farmers' Holidays!

This is the month in which most of the Fairs and Cattle Shows are held, and every farmer should attend one or more of them. In addition to the list given on page 159 of this paper, we mention the following for the benefit of more distant readers.

Queens Co. at Hempstead, L. I., Oct. 13th. MASSACHUSETTS.

The Hampshire and Hampden Society will hold their twenty fifth Fair and Cattle Show at Northampton, Oct. 12th and 13th.

Worcester Co. at Worcester, October 12th. Plymouth " at Bridgewater, " 12th. Bristol 44 at Taunton, 12th. MAINE.

Kennebec Co. at Readfield, Oct. 12th and 13th. Cumberland Co. at Gray's Cor. Oct. 19th & 20th. Oxford Co. at Norway, Oct. 19th. CONNECTICUT.

Union Society, at Plainsville, Oct. 12th. PENNSYLVANIA.

Philadelphia, at Rising Sun, Oct. 12th and 13th.

The Fair at Albany .- The Albany Argus says,-" The entire affair went off admirably. A great and generous spirit of cinulation pervaded the Fair, in all its departments, and its vest and varied displays. producing results surpassing the expectations of its most sanguine participante."

Sale of Short Horns .- Our readers in Canada and the West, will notice the advertisement in this paper of a sale of thorough bred cattle to take place at Dundass, on the 15th inst. We have seen some of these animals, at the residence of the Hon. Adam Fergusson, and take pleasure in stating that they are among the most perfect and beautiful specimens of Durham Short Horns we have ever witnessed .- Pub. N. G. Farmer.

Butcher's Meat in Englaud.

One of the most celebrated cooks in Europe, and the favorite of distinguished Sovereigns, gives the following opinion:

44 Butcher's ment in London is fine, and wet it has not the unctuosity of our meat in potages, sauces, and consommes. The cause is in the climate, and in those perpetual fogs which deprive the pasturage of a part of their nutritive juices, by keeping them too green.

American Toast .- " The ledies-the only endurable aristocracy, who rule without laws, judge without Crops in South Venice in 1842.

MR. EDITOR-Having given the readers of the New Genesee Farmer an account of the crops grown annually in this town, since the commencement of your valuable paper, (the New Genesee Farmer,) I continue the practice.

Wheat .- The crop in this vicinity is not very good; the rust has injured it so that the crop will be very light this season. The whest, however, is somewhat better than some persons enticipated it would be, a few days before harvesting. Those that have threshed for seed, find it better than they expected; but on on average, I think there cannot be much more than half a crop grown in this town.

Corn-The crop will be light this senson. There are, however, some fields of corn that have the appearance now of being pretty good. The cold months of May and June were injurious to the corn crop; so much so, that many farmers ploughed their corn up and intend to sow wheat. If the frost should keep off through the remainder of this month, there will he some very good crops of corn; but on an average the crops will be exceedingly light in this quarter.

Barley has done well this season. The crop may be considered a good one.

Oats have done very well too; I think I never sew better oats and more on the ground than were sown this sesson.

Peas are extraordinary good; far better than last season. As a grest many were sown this season, therefore, farmers will have enough to fatten their pork without depending upon their crops of corn.

Flox is good, and a great deal was sown in this town, expressly for the seed. Flax is not manufactured much into cloth in this vicinity, other goods being cheaper and which answer the same purposes for wearing apparel.

The Potatoe crop will be a middling crop. The drought in July and August injured them somewhat, but there will be enough for our own consumption. Spring Wheat .- There was not much sown in

this neighborhood; however, what little was sown came in very well, and better than the winter wheat. Roots.—There are but few roots grown in this vicinity, and what few there are look very promising.

Fruit is very scarce in this region of country ; there will be, however, enough for our own use if carefully husbanded. The fruit is very inferior. owing, no doubt to the cold weather last apring. Under these circumstances, we have great reason to he thankful to Him, who has given us in sufficiency and ahundance these comforts and necessaries of life.

South Venice, Sept. 19th, 1842.

Swiss Cows in Harness.

We took a drive yesterday up a most romantic vslley, and met two peasants driving their cow in a little They stopped to offer us some pears. I particularly remarked the cow, to see if working did her any herm ; she was in excellent condition. the cottager in England would sdopt this custom; it never comes into his head that the cow can do anything but give milk. We know nothing of economy in England; what is daily wasted in it would save from starvation the miserable creatures who die in the streets. But what is every body's business is nobody's and so those who can afford it go on allowing waste. -Lady Varasour's Last Tour and First Work,

Translated for the New Genesce Farmer from the German. 1

CHANGE OF SEED.

BY PROFESSOR SPRENGEL, OF GOTTINGEN. Occasional change of seed is unquestionably of the highest importance in agriculture. Observant formers have doubtless remarked that, though all possible pains he taken to secure the best and most perfect seed grain, it is generally more advantageous to proeure a supply from some other and distant section of country.

In the year 1811, I obtained a parcel of multicaulis rye from Friedland in Bohemia-a celebrated rye district, having a clay soil. This rye, thus brought s distance of 21 miles, was sown in a sandy soil, rich in humus, which had been manured by ploughing in a green crop of votches. It vegetated well, grew astonishingly, and attained a height of from 9 to 91 feet, with heads proportionably long-measuring from 9 to 10 inches, and containing from 115 to 120 grains each. In the ensuing fall I sowed some of the rye thus produced, on a soil of similar character and equal quality, manured as before by turning in a crop of vetches. The stalks, however, scarcely attained a height of 7 feet-which was the more remarkable, as, in the summer of 1812, the scason being peculiarly propitious, all the other rye in the vicinity was unusually tall. When sown again, the following season, this rye produced stalks averaging only 5 feet high; and the heads were proportionably shorter and less productive, in each year. The deterioration of this rye was rendered the more obvious, as, in the year 1812, 1 procared some fresh seed from the original locality; seeded it on land of similar quality, after plowing in vetches as ocfore, the stalks of which grew to the height of from 8 to 83 feet-contrasting strongly with the more stunted growth of the other.

I have experienced similar results in the cultivation of buckwheat, oats, barley, beans, potatoes, and flax. With us, the stalks of Indian corn, also, from seed imported from the southern part of the United States, attain a height of 15 or 16 feet, the first year; but the product of the second seeding will not exceed 10 feet in height; and in the third year, it will not be taller than our domestic corn.

On many soils a frequent change of seed appears to be essential, for various reasons. It is undoubtedly true that the seed can only produce a vigorous and perfect plant, when its germ is adequately developed; and it is equally certain that such a developement can result only from a proper commixture of the ingredients of a soil, sided by the influence of climste, seasons, &c. But the success of the plant is determined also, in a great measure, by the kind of nourishment afforded to its earliest germs and radicles. Hence, when seed grain, having a perfect germ, is supplied, seasonably and in due proportions, with those substances which contain, in an assimilable state. the peculiar pabulum or nourishment which the infant plant needs, it will grow vigorously, and flourish permanently to maturity if the soil continue subsequently to furnish a proper supply of the requisite food. A field recently manured with fresh stable dang, it is well known, will not produce good seed grain; and hence it is probable that the good or bad quality of seed grain depends on the presence or absence of certain ingredients of soils. Grain grown on land recently manured with animal dung, contains, accord ing to Hermbetadt, more gluten than that grown on lands not so manured; and where the land was manured with sheep dung, the grain produced is peculiarly rich in gluten, because this kind of manure contains in abundance the nitrogen essential to its formation. Now such grain is probably unsuited for seed, precisely because it contains too great a quantity or rate chemical analysis. proportion of gluten, whereby the starch of the se

grain is too suddenly decomposed. Whereas, were a less proportion of gluten present, the starch would be gradually converted into sugar-the earliest food required by the developing germ. We may, therefore, conclude that, in general, all grain is unsuited for seed if it contain a very large proportion of gluten, or of other nitrogenous substances espable of converting starch rapidly or suddenly into sugar. But in grain intended for breadstuffs, this over-proportion of gluten is a very desirable quality; because the more of it any grain contains, the better is it adapted for producing flour-gluten being among the most nourishing substances.

Experienced farmers know it to be very advantageous to sow, in a sandy soil, rve grown on clavey or aluminous upland. The reason appears to be this, that the rye from clay soils contains only the due proportion of gluten. On the contrary, it is found to he improper to sow rye from rich, moist, bottom lands on sandy soils; because the seed contains such an over-proportion of gluten as to convert the whole of the starch suddenly into sugar, and the sugar se suddealy into other substances not congenial to the germinating plant. Sandy soils in general do not furnish good seed grain, inasmuch as such grain is deficient in certain substances-as lime, magnesia, &c .- essential, nay, indispensable, to the perfect develope. ment of the germ. That sugar does, in fact, play an important part in the germination of seeds and the first develor ement of the plumule and radicle, is manifest from the fact that all the minutia seeds, parsley, carrots, &c., germinate better if steeped for a few dave in a solution of sugar or in a diluted syrup. But though sugar is unquestionably of great importance in the germination of seeds and in the earlier developement of plants, I do not maintain nor assert that the successful issue of the process is the effect. exclusively, of this substance. On the contrary, I am convinced that, to secure a propitious result, the presence also of alkalies, sulphates, and chlorides, in due quantities and proportions, is absolutely requisite.

There are soils which imperiously require an annual change of seed. But it is, in most cases, sufficient to procure a supply from places in the immediate vicinity, or not more than three or four miles distant -a circumstance which the principles above indicated will serve to explain.

Climate also has a very coaspicuous and important influence on the quality of seed grain; and experience teaches that, for seed, such grain is best suited as was grown in a colder region or district. Chemical ans'ysis shows that such grain contains a smaller quantity of gluten than that grown in warmer climates. Wheat from the North of Europe contains much less gluten than that from the southern coasts of the Mediterranean

The deterioration of grain, so as to become unfit for continued seeding, I have most frequently observed in oats. But I remarked, in every instance, that the soils which produced bad seed onts were deficient in lime, maguesia, or some other substance or ingredient requisite to the full developement of the germ. Oats invariably became unfit for seed if sown in soils deficient in lime or potash; and chemical examination shows that good seed onts contain much lime and petash. Now, though we may, from these and similar circumstances, deduce in part the reasons to what change of seed is oftimes necessary, it is not to be de. nied that, for the full elucidation of this matter, more numerous experiments and observations are desirable, Probably results highly satisfactory could be arrived at if good and bad seed grain, as well as the soils on which they respectively grew, were subjected to accu-

of seed, is particularly striking in the culture of flax ; it being well ascertained that seed imported from Russin is greatly superior to that of domestic growth. Russian flaxseed, though commonly an ill-looking, unpromising article, invariably produces a much longer stalk and fibre than native aced, apparently much better. That climate likewise, in this case, exerts an important influence on the due proportionment and admixture of the ingredients of the seed, may be con. sidered cortain. But what the ingredients really are which contribute to, or effectuate, the more vigorous growth of flax from Russian seed, remains to be ascertained.

Again, by means of seed grain, climate may in some sense, and to some oxtent, be transferred from one reg on to another. Thus, if we sow, in a colder climate, seed outs from a warmer district, where outs ripen early, the plant will, in its new locality, matura at an earlier period than the domestic out, though not so early as in its native region.

Finally, it may be considered as an ascertained fact, that soils chemically ill constituted, require the most perfect and best seed grain. A judicious selection will, in such cases, very materially increase the quantity of the product-the difference being in some cases not less then fifty per cent.

From the National Intelligencer. The Polar Plant of the Western Prairies == a

Vegetable Compass. WASHINGTON, August 9, 1842.

Dear Sir-In offering through you to the National Institution a dry-pressed specimen of the Polar Plant of the Western Prairies, it is proper that I should give of the Western Frances, it is proper as a description of it, and of its location. It is a species of fern, with one large flat leaf, whose plane always voints to the north and south. The leaf is symmetripoints to the north and south. The leaf is symmetri-cally disposed about the stalk. It attains the beight of from ten to sixteen inches, and it is believed that it never blessoms. It is spread profusely in large beds over all the Western prairics, from the far Northwest to the far Southwest. It has been seen in the prairies of Wisconsin and other regions east of the Mississippi. It is never found in the torests; or, in other words, out of the prairies. It has been well known to the hunters and trappers of the West, and to the officers of dragoons; but I believe that its existence has never (at least extensively) been made known to the world. Its plane is always in the plane of the meridian, when not disturbed by high winds or other external causes. The indications are always most accurate in the valleys, where the beds are shel-The indications are always tered from the winds, and where the traveller finds them arranged in parallel positions, faithfully pointing The leaf is sym out the direction of the meridian. metrical, and thus there is nothing in its indications to distinguish the north from the south.

The specimen which I send was plucked from the prairies near Fort Gibson, west of Arkansas.

That its indications are actually the same wherever found is the universal testimony of all who have known of it; and I have met many who have noticed it from south of Fort Towson to a considerable disthose who spoke of it derived their first intimation of its existence from that excellent officer and capital woodsman, Capt. Nathan Boone, of 1st regiment U. S. Dragoons, son of the celebrated Daniel Boone.

The cause of the polarity of this curious plant yet Being symmetrical in remains to be discovered. shape, or rather the weight being equally distributed about the stem, it is possible that its sap or fibre is so thoroughly impregnated with certain salts of iron as to be deviated, from the period of its infant growth, by the action of the magnetism of the earth, turning like a compass needle on its stem or root as a pivot. That a compass needle on its stem or root as a pivot. it is not caused by the action of light would seem probable from analogy, as vegetables acted upon by light are noted for turning their leaves or blossoms towards the sun instead of from it. At mid day the place of the Polar Plant passes through the sun, and thus it shuns the light. I have noticed it in long-continued cloudy weather, and could find no alteration in its po-

As the existence of the torpedo and the electrical eel exhibited the influence of electricity on animal life. this plant is very interesting as showing its probable ate chemical analysis.

Commexion also with vegetable life; thus furnishing
The great benefit resulting from frequent changes is link to supply the chain of gradation. It is well

wn that there are many distinguished naturalists professors of physiology who would go higher even to the human frame, and predict the final overy of the intimate connexion between electriand the operation of the nervous system. Any connected with the action of electricity or magnet-(supposed to be one and the same agent) is now ecially interesting, when there are so many ingeus minds throughout the world devoted to such intigations.

bave ascert sined to my satisfaction that this plant been well known to trappers and to many of the ian tribes, and that they have been in the habit of illing themselves (in their tours over those vast cts) of this humble but omnipresent guide, which a d Providence has sprinkled over that region, and hich is thus available in cloudy weather, when the and stars are denied them. Even if it is granted it it is less needed by the red man, no one will deny uses to the whites in a country destined still for a ig period to be roamed by hunters, traders, pioneers, d other white men.

I will here add that Captain Boon also states that ere is spread all over the far West a certain root, lled the "snake root," whose juices are very grate to quench thirst, and which is found in the greatest undance in those parts of the prairies which are high dry, and most likely to be deprived of water in a ason of beat and long drought.

It is needless to descant upon these beautiful and riking examples of the wise provision of Nature, rnishing a vegetable compass and the means of nenching thirst, ever ready for the wanderer, and oth located in a region destined perhaps for the longit period in the history of the world to be occupied y a roving population.

I am, with high respect,

Your obedient servant,
BENJ. ALVORD,

Lieutenant United States Army.

To F. MARKOE, Jr , Esq., orresponding Secretary of the National Institution.

> For the New Genesee Farmer. MANURE.

The first step which a farmer takes towards successal business, is to understand the value of manure. And, as he discovers the value, he uses all the means n his power to increase the quantity. The fact is, if very farmer who owns a hundred acres of good land, nd who manages his manure according to the usual ractice of the country, were to use the very best means which he possesses for its manufacture and application. ie would find his pocket-book heavier at the end of each year, to use the most moderate computation at he present low prices, by at least three hundred dol-

I need not here attempt to show how that the product of the barn-yard may be increased fourfold by the use of muck or marsh mud and lime properly applied; but my object is to call attention to another source of manure which appears to be even less known and attended to. But I ought here at the outset to caution the delicate and fastidious reader not to follow me any further, as the Editor did some time ago at the close of a similar article, though of course I mention this fact with all deference.

Poudrette is well known to be a very powerful manure, obtained in the neighborhoods of the cities where it is manufactured. But we, away back here in the country do not possess this advantage which our city friends do; and very few have ever thought of manufacturing their own poudrette. The contents of privies, instead of being regarded as of great value as they truly are, most people look upon as a downright nuisance Now, if the offensive odor may be removed, at the same time that a valuable manure is made, two very important points will be attained.

I have searched in vain for a particular account of the process employed by the poudrette companies; and in the absence of such account have endeavored to use such means and knowledge as I could lay hold of, and imperfect as the mode may be, it has been of decided value to me, and may prove so to others. The entrance to the privy is well flanked with evergreen trees.

and on one of the other sides which faces low ground. is a passage or read through the trees for a large tight box or trough to be drawn away from under the building, which is placed about two feet above the ground on that side for the admission of the box. A plank door shuts it in closely. Runners are placed under it so that a horse may draw it away by the iron hooks attached to it; low wheels would be better.

All the care required after this, is to sprinkle every two or three days a few handfuls of plaster (gypeum) over the inside of the box from above. This is all. Air-slacked lime, and ashes, are also valuable; but plaster, by furnishing sulphuric acid for combination with the gaseous ammonia and thus preventing the escape of this volatile but powerful ingredient, is considered the most so. Hence also, the use of plaster is found exceedingly to lessen the fortid odor, a matter of no small consequence. Lime also greatly lessens the offensive smell, but by what means I do not know. There ought to be enough of plaster, lime or ashes, to keep the contents of the box in a dry state. When it is full, it is drawn off, spread upon the ground and mixed with the soil, or made to constitute a part of the compost heap.

I have tried only one experiment on its fertilizing power, and that a very indefinite, but otherwise satisfactory one. Very rich stable manure, and poudrette, were applied to different parts of a small piece of ground-the stable manure, according to estimate, being about ten times the bulk of the night soil or unmixed base. The whole was sown with turnips. Theresult is, so far, that the turnips on the part manured with the poudrette, have made a growth at least three times as great as those on the part treated with stable ma-

Straw from Rusted Wheat.

We give the subjoined communications from a farmer of long experience. We cannot vouch for his philosophy, which is certainly ingenious enough, and may be well-founded; but his facts are valuable; and a small amount of facts well authenticated by observation and experience, is worth a load of theories. We wish our experienced and respected correspondent would let us hear from him again on various subjects, which must have come within his observation; and we beg him when he sends us another valuable communication, not to tax himself with the postage .- Ed.

Mr. Colman-In the number of the New Genesee Farmer for September, you ask the opinion of farmers in regard to feeding cattle with straw from rusty wheat. I have had some experience in that way. Let us first inquire what occasions wheat to rust. It is generally supposed the occasion is from a sudden flow of sap to the head at a certain stage of its ripen ing, which causes the straw or bark of the straw to burst near the heads, and the sap to flow out, and drying on the stalk, it forms the rust. Now this sap is the most rourishing part of the straw, and makes or fills the berry. Flowing on the out side of the straw and drying there, will it not increase the nourishment of it?

At this time, there is very little wheat raised in the valley of the Connecticut; but formerly, when the country was new, there was considerable; large quantities were exported. It sometimes rusted. I always found that cattle ate this rusty straw much better than that which was bright, which led me to suppose that it was better feed; and why should it not be, if it has that which would have filled the berry if it had flowed to it, dried on the stalk? I verily believe that those who have found their cattle injured when fed on this straw, on farther investigation, may account for the injury in some other way.

Shrunk wheat threshes with much more difficulty than plump; much of it cannot be readily threshed

daily, the cattle picking out these heads, they may be over fed; or this wheat may be put up in too green a condition and become rusty in the mow, which would entirely change the nature of it.

How this may be, I cannot say, but for myself I had much rather have the strow of shrunk wheat when well secured, as feed for cattle, than that which is bright. We never keep cattle wholly on straw.

FROM A FARMER OF CLAREMONT, N. H.

Smat in Whent.

One word respecting smut in wheat. When I was first acquainted with this country, being a boy, the wheat raised here was all smutty, so much so that it required to be washed before it was fit to use. The first year we sowed the wheat procured in the neighberhood, which was smutty, for seed, the crop was very smutty. The next season some for seed was procured from a distance, clean of smut; this wheat was washed clean, and while wet, as much good ashes was mixed with it as would stick to the wheat, and sown immediately. The crop was clean of smut, and for more than twenty years in succession we practiced the same way on the farm. We procured wheat clean of smut, washed and nehed the seed, and during the whole time never raised a crop of smutty wheat. I have more than once sown beside my neighhor's lot, nothing but a fence dividing us,-he sowed his wheat dry and I as I have stated-his was very smutty, mine quite clean. All this time winter wheat was sown and occasionally spring wheat; and to this time, which is more than sixty years, I never have raised a crop of smutty wheat, when I observed the above rule; or procured wheat clean of smut, ashed, &c. Once I had some spring wheat somewhat smutty; and it was from smutty seed. For a number of years of the time I speak of, there was no lime in the country, otherwise lime would have been used instead of ashes, as we have done since lime has become

A CLAREMONT FARMER.

Kitting Fties.
Many persons, like myself formerly, are much puzzled how to get rid easily of these little annoyances. I have been very successful this year, by the use of cobalt, which is indeed no very new thing, but still but partially known. I procured a six-pence worth at the druggists, pounded it fine, mixed small portions on dishes with water only, and placed them upon shelves. During the fly season, which has lasted a month or two, from two to three hundred or thereabouts have dropped dead upon the floor daily, which were easily swept away. How we should otherwise have fared, I cannot tell; but if all that have died in the house had lived to annoy us, we should have been literally blackened with them. As it was, very few indeed were at any time visible. X.Y. Z.

Evil turned to Good.

A neighbor, who had last spring a field partly overgrown with a dense matting of Stein kraut or red root, (Lithospermum arvense,) ploughed the whole crop of this pernicious weed deep under the soil, and planted the ground with corn. The corn on this portion of the field is now decidedly superior to the rest, in consequence of the nourishment of the decaying vegetable matter.

Worms in Swine. Corn sonked in ley, persevereingly used, has cured the disease in swine called kidney-worm, in numerous instances. A neighbor of ours succeeded with it in a very bad case. If breeders would give their hogs plenty of salt and brimatone, they would rarely be troubled with diseases .- Dollar Farmer.

ERRATUM.-In our last number, in the communication of S. W., page 141, in line 15 from top, for out; and when there are large quantities thrown out American cotton read foreign cottons and fabrica.

Agricultural Excursion in the Genesee Valley Concluded.

Fences .- The fences in this part of the country are chiefly worm fences, formed of chesnut or ash rails : and in most cases ten rails in height. A mode of constructing a straight stone and rail fence which prevails here, deserves remark. In this case small stones of the size of a men's fist to that of a cocou nut or much larger are gathered, wherever they are to be found, and hid up, beginning with a width of two and a half feet at bottom, and gradually drawing in towards the top until they reach a height of about two and a half feet. Morticed posts are set in the wall about ten feet asunder, and two sawed rails finish the fence. But it is most worthy of notice, that in order to prevent these small stones, many of which are round, from spreading or falling down, small flat pieces of wood about the size of the staves of a pail or barrel, and of various lengths, are pretty freely interspersed among the stones; and operate effectually us binders. Such a fence is not only tidy but strong; and stones are used and cleared from the field, which it has been generally found difficult to dispose of, and which have commonly been buried, or spread by the road side to disfigure or encumber the road, or left in unsightly and inconvenient piles in the field.

The want of timber for fencing must presently be aeriously felt, and a worm fence, the common fence in the country, occupies a great deal of room. Another strong objection to a worm fence is, that the angles, not being reached by the plough, are commonly secure harbors for weeds and rubbish of various descriptions. In some cases I saw small pieces of hedge of the white thorn, thrifty, clean and close, and in a condition to satisfy me that there would be no hindrance to its cultivation. The common thorn of the country would make a good fence, and is easily prop agated. I believe that the beech would make an effectual and durable fence, and its rapidity of growth recommends it. An intelligent English farmer of Canandaigua, whose good management of his farm entitles his opinions to much respect, states that he has seen beech bedges in his own country, which were every way to be commended. They bear trimming well and have no enemies. The white thorn is liable in the older parts of the country, to be destroyed by the borers, which infeat the apple and the locust trees : and also to be girdled by the field mice under the snow in winter.

FARM BUILDINGS .- The houses in general are of wood. Here and there is occasionally met with the log-house of the pioneer; but in most cases these have passed away; or if not removed, are converted into lumber houses or sheds; and their place is supplied by nest frame buildings of one or one and a half story in height. The first adition is coarse and unsightly; and seems not in keeping with the clean and cultivated fields around it; but the second often marks a great advance, and appears with embossed covers and gilt edges. The power of habit and of naturalization is in these cases often strikingly illustrated as the "old folks" of the family look back with strong yearnings to the "log cabin" where they first fixed themselves. They are often free to confess that some of their happiest hours were passed in these homely beginnings, when amidst many severe privations and hardships, they were cutting themselves a passage through the dense forest for the admission of light into their unglazed dwellings; and beheld the mighty trees, like a retreating army, falling year ofter year under their victorious advances; saw the virgin wilderness, which had bitnerto been untouched by the hand of civilization, now gradually pouring out its rich and golden tresaures for man and beast; perceived with a proud consciousness of new wealth and power,

the rapid increase of their white wooled flocks without and their white haired urchins within door; and resting from their labore at the close of day at the door of their humble wigwam, saw the smoke of many a neighboring cabin slowly curling upward to the skies, heard the lowing of returning herds, beheld where so lately the stately pine towered above the forest in sombre majesty, the vane of the village steeple like a new star sparkling in the beams of the set. ting sun, and the triumphs of civilization and improvement every where spreading themselves, as the morning's light is seen scattering the shadows of night and causing the wide landscape to become resplendent short leases are better both for landlord and tenant. with beauty.

There are some brick houses : throughout the country clay is abundant for making bricks; and a fashion has been introduced of building with cobble or small round stones. In this case the window and door sills are of hewn stone, and so likewise are the corners; and then the walls are carried up with these small stones, commencing with a thickness of well of two feet in the cellur, a foot and a half in the lower story, and gradually reducing it to a foot in the upper story. These stones are laid in a strong cement of lime : and these walls are cheap, durable, and handsome.

Many of the houses throughout the county are built in good taste, and a commendable regard is paid both in the villages and in retired situations, to embellishing the places with trees, shrubbery, and flowers. The locust is cultivated with great success. In these respects I know no parts of the country to be compared with what of Western New York I have seen. This speaks exceedingly well for the character of the inhabitants, for their intelligence and refinement. So far as my observation goes it does them no more than justice, for without disparagement to any other section of the country, and my examination has not been restricted, from what I have seen I do not believe there is to be found a more intelligent, cultivated and improved people, than the rural population of Western New York, a people of better manners or of better morals.

Nor do I believe that Heaven ever placed men in circumstances of more substantial comfort and prosperity. The soil is of extraordinary fertility and of easy cultivation: the elimate salubrious, for the intermittent fevers, which formerly prevailed, are now of rare occurrence; the scenery in the rolling or hilly parts of the country, picturesque and beautiful: ready and cash markets are always to be found for the great staple of the country. There are extraordinary facilities of communication by railroads and canals; good common echools and advantages of education by means of seminaries and academies of the best character, and numerous colleges for obtaining, at an expence which puts it within almost every one's reach. the best and most improved education, ornamental and useful.

These are great blessings. If we estimate a man's prosperity by a pecuniary standard, we may find situations in which, by the chances of trade and speculation, men may so ner grow rich; but, if by a far wiser and truer standard, we determine their prosperity by the substantial means of comfort with which they are surrounded, and their advantages for social enjoyment and intellectual and moral improvement. then it would be difficult to find situations more fa-

PRICE OF LAND .- The price of land may be said to vary from 40 to 60 dollars. I speak now of improved farms. There is comparatively a small amount of forest land to be cleared. The land is in many cases in the hands of large proprietors, who do not care to sell and prefer leasing their farms. In some preferred to longer leases; and with a view to deter. domain, which ought to be regarded as the great leg-

mine the rent, the general cultivation is prescribed. the probable or practicable raturn of every piece of land on the farm is estimated, and the rent calculated accordingly. This seems to be an equitable mode, and certainly more satisfactory than naming a gross sum, calculated upon the nominal value of the whole farm. The rent is expected to be paid in eash, not in kind. Short leases, where a change of tenents is likely to take place every year, would be prejudicial to both parties; but where the landlord is willing to renew the lease upon favorable terms to a faithful tenant, and encourage him in making improvements.

The most remarkable sale of a single farm that has perhaps ever occurred in this country, took place in Groveland, in Livingston county; where, as I understood, one hundred thousand dollars in cash were paid for 1800 acres of land, and this was for only one half of the farm of the individual, who sold the estate. The buildings upon it consisted only of a brick house and some barns; but the buildings were nothing more than decent, and these were perhaps some log cabins upon the place. This price a little exceeded fifty dollars an acre, and the estate was bought by the community of Shakers, not for speculation, butfor residence and occupation as a farm.

The fact of land in this county being held in very large parcels by individuals, has undoub'edly impeded its settlement and improvement. I certainly do not complain of those who hold it, for I know no reason to question the perfect legality of their possession, and the equitable management of their estates. Nor do I know of any scheme by which property could be generally equalized short of revolution, nor, if even by that fearful remedy, it could be equalized, how by any possibility it could be kept so one hour, after the division had been effected. I am likewise as strenuous as any one in maintaining the unquestionable right of every man to the fruits of his own labor, and to the disposition, so far as is compatible with public order and good morals, of those proceeds according to his own pleasure. But I confess myself so far an agrarian as to think that the earth itself, the soil, the very foundation and means of human subsistence, should never be exclusively claimed or approprinted or parcelled out to the prejudice of any, who are disposed to cultivate and improve it, and that it should never be held as matter of mere traffic or speculation separate from the improvements which are made upon it. I could wish that the amount held by any individual should be restricted, that no man should ever be at liberty to possess that which he does not use nor improve; that the fee of the land should always remain in the state; and at the death of an individual should revert to the state, the state always being held bound to make a just and liberal allowance for improvements made upon it, or any increase of its value through the skill or industry of the man who had it in his possession. These notions, I am pertectly aware, will be held by most men as mere dreams and moonsbine. Let them go as such. I regard them as purely speculative, and in the present condition of society, how well seever they may be founded in natural right, their realization never likely to be approached. They are altogether atopian. Those who have the property are too strongly entrenced in law and custom and mutual interest, to fear any change, and those who have it not, may make themselves quite contented with the present arrangement; for there will be no alterations for their accommodation. A society or community established upon principles of strict equity and justice, is little more than a mere fiction of the imagination, nor as yet likely to be realized upon any large scale even under the clearcases leases for a short time, say of a year only, are est sunshine of the gospel. Even the rich national

lions that are yet to demand bread from the earth, is, in the natural course of human rapacity and authorised abuse of power, to be covered with the mere paper titles of men, who never saw it, and care nothing for its improvement, who he down upon it like the dog in the manger, while they or their heirs are to be made rich by the increase of its value, although to its intrinsic value or improvement they have never contributed and never design to contribute the worth of a straw.

I have already extended my remarks upon this excursion to a much greater length than I had intended. There are many topics connected with it, which I wished to have discussed at large; but this could not be done to my own satisfaction unless I took the whole paper to myself; and this would be little to the satisfaction of my subscribers; and very likely to leave the whole concern, both editing and subscription, to myself.

I wished to have discussed at large the Improvements of which I think the husbandry of the country is capable. Its agriculture, though respectable and productive, is yet in a very imperfect condition. Crops of wheat, the great product of the country, averaging only about twenty bushels per acre, and of Indian corn not more than twenty-five or thirty, are little more than a third of what the soil can be made to produce. I hold that the only limits of production, which should ever satisfy the enterprising and intelligent cultivator, are the capacities of the soil; and the only limits of cultivation are, the relation which the value of an article, when produced, bears to the expense of its culture. The capacities of the rich soil have as yet by no means been fully tested; and the various questions, what products would best compensate for the cultivation, and whether the most expensive cultivation would be warranted, and whether with the present prices of land and of labor, it is better to cultivate a large extent imperfectly or a smaller extent much more thoroughly, and various other nintters growing out of these, are all questions, the proper decision of which involves so many and such vavious elements, the price of land, the cost of labor, the facilities of market, the supply, the demand, and a variety of particular circumstances connected with the particular localities and likewise with the domestic condition of each farmer, that I cannot now enter upon them. At present I must reserve these topics for some other public occasions; and in the mean time I beg leave to suggest them to my intelligent correspondents, hoping they may excite their wits and then, as matter of course, move their pens.

I am unwilling to close this very superficial sketch of the agricultural condition of the Genesce Valley, without acknowledging, as I do most respectfully, the welcomed by many of the intelligent farmers of this favored region. I shall retain a grateful recollection of it as long as I live; and be most happy to accept their kind invitations to extend the acquaintance. doem it among the greatest blessings of my life that my teste and pursuits have led me to cultivate a most ntimate acquaintance with the reral and agricultural population; and some of the happiest hours of my life have been spent at their cheerful firesides and under their hospitable roofs. I have heard much of the vulgarity and boorishness of the country; but they de not belong more to the country than to the city. True politeness consists in the habitual disposition and endeavor to make those around you happy. It is not, as many suppose, a matter of mere form and manner, but of feeling and sentiment. Among different classes or conditions of society, certain conventional forms are agreed upon under which it is to be

ncy of the people, and held sacred for the rising mil it too often happens that forms are all which are remay be discerned under a rough as well as a polished surface, and expressed in the most natural and awkward as well as the most graceful and studied attitudes and movements. An old friend of mine, in giving an account of his early life as a candidate for the ministry, told me that the kind woman with whom he boarded where he first settled, in helping him to a piece of hard-boiled Indian pudding, a frequent dish upon the table, was in the habit of cutting it into her head and laying it in his plate; and with the spirit of a traly benevolent philosophy, he added, that "as I knew her hand was as clean as her heart was pure, I was willing to receive it in any way she chose." Yes; and so it should be to every mind that knows of how much more value is the substance than the shadow, as if it had been handed upon a silver fork or porcelain cover, protected by a napkin of the finest damask. I can say in truth that among the hundreds, I may say thousands, of farmer's families, which I have visited, I have never witnessed the slightest rudeness or incivility; and have in most cases experienced a politoness, as sincere, as genuine, and as refined in character, if not in form, as in the most brilliant and carpeted halls of city palaces.

> A considerable portion of the inhabitants of this invered region have enjoyed the highest advantages of education; and to the charms of rural life add the best refinements of polished society, without, as is too often the case, destroying the simplicity of the country by the burdensome and, in the country we may safely call them, the frivolous formalities of city etiquette, When in such residences, to the rich abundance of the products of a well cultivated farm and garden, you find united a disposition for rural labor, a taste for rural scenery and rural sports, and the beautiful accomplishments of music and drawing throwing their charms around, and all mingled with a hospitality as frank, sincere, and unrestained as it is profuse and elegant, and "books and work and healthful play." dividing the hours, and the character and mind are found in a corresponding harmony, it is difficult to imagine any earthly condition more favored.

> I might give names in these cases, for I know my description may awaken some curiosity; but this would be contrary to all my habits, and as inconsistent with my own sense of prepriety as it would be offensive to the delicacy of friends to whose kindness I owe so much enjoyment.

The natural scenery of many parts of the Genesee Valley is of surpassing richness and beauty. The view of the valley from Mr. Wadsworth's residence and from the eminently beautiful residence of Mr. Murray, on the summit of Mount Morris, in its verdure, its luxuriance, its forests, its single trees, and its numerous clumps of trees left here and there with exquisite taste, in the windings of the river, in the numerous scattered residences, in the bright villages seen in different parts of the valley and sparkling upon the summits of the hills, presents a landscape of extraordinary magnificence.

Following up one branch of the valley to the villages of Nunda and Portage, to the upper Falls of the Genesee, the read traverses a comparatively new country, but one destined to be extremely rich in its agricultural productions. At the passage of the Genesee river down the Falls, and through its high cliffs the traveller of taste will find a treat, second, as far as my observation has extended, only to the wooderful and glerious Ningers. In the course of about two miles the river makes a descent, in three successive leaps, of nearly three hundred feet, and in a full state of the water, these falls combine in the highest measexpressed; but in cases, where form are most studied, | ure, the - ments of beauty and grandeur. The riv- | the proise bestowed. - Pub. N. G. Fur.

er has worn its way for a distance of several miles garded. The genuine and substantial disposition through very lofty cliffs for a long extent, of four hundred, and in some instances, of seven hundred feet in height. The whole passage is perfectly unique in its character; and while it charms by its picturesqueness, it produces a profound impression of awo for that mighty power which, by a steady operation for successive undefined periods, has carved out this mighty channel for these ever rushing waters through the solid rock. The traveller here, likewise, has a view of the great artificial tunnel of eleven hundred and ninety feet through the mountain, for the passage of the Genesce Valley Canal. This is a great enterprise and a work of immense labor; but standing along side of the deep gorge of the mountains, the neighty work of thousands of years, one can only exclaim, what are the works of man compared with the werks of God l

Improved Stock in Genesee County.

Mn. Colman-I assume the liberty of calling the attention of those engaged in rearing fine stock, as well as these wishing to improve theirs, to the extensive herd of Peter A. Remsen, Esq., consisting of Durhams, Herefords, (or a cross of Durham with the Deven,) the rest of various grades, amounting in all to 156 in number. He commenced his stock by direct importations from various herds in England in 1834-his Bull Volunteer, a white, was out of the stock of Mr. Coling; his Bull Alexander, a red, was out of the stock of Mr. Maynard of Harsley Hall. Yorkshire, Eng., and of as good pedigree as England can boast. I have it in my possession back to the famous Bull Hubback. Mr. Remsen resides one mile east of the village of Alexander, and any person wishing stock will, by calling on him, find him courteous and affable, willing to go into the minutest detail and at once ready to set prices upon his stock in unisen with the times. Any person calling upon me can see a sample of his stock in the Bull " Red Jacket," which I purchased of him soon after I came here. He has been fed only on hay and grass, and he will raise the beam 2000 pounds, being only 3 years of age past; he has been let to 100 cows this season. and I have had to keep him in my poorest feed, as his disposition for fattening seems equal to Hubbacks.

I commenced improving my stock of cattle some 35 years since, from the imported stock of Mesers. Adcock & Mason, of Otsego Co., called by them I believe the Bakewell, which stock I continued to improve until a Devenshire Bull was brought into the country, from whence I came, and thinking a cross of my Bakewell with the Deven would succeed, I commenced breeding from that stock, and found the result most highly satisfactory, and continued in that course till I removed hence. I am now breeding, or rather commencing, a stock from pure Devon cows and my bull Red Jacket, and from present appearances I am satisfied with my course.

I cannot close my remerks without offering a suggestion to the various Town Committees of the Gencases County Agricultural Society, which is, that the members of each town committee should visit in person every farmer in their respective towns, and earnestly solicit their aid and membership to said society. and I think we should have but little fear; for when once fairly enlisted in a cause so worthy, the society must flourish, and not present such a scene as was the last year, by a deficit in means sufficient to draw the sum apportioned to this county from the state,

1 am, sir, yours with regard, ZACHARIAH CONE.

Botaria, Sept. 9th, 1842.

Remark-Having on several occasions visited Mr. Remsen's farm and admired his fine stock, we take pleasure in publishing the above notice, and can assure our readers that both owner and cattle richly merit all

TRANSACTIONS OF THE NEW YORK STATE AGRICULTURAL SOCIETY.

The next paper in the Transactions is the Report of the Corresponding Secretary. This does great credit to his intelligence, zeal, and industry; and give him claims upon the grateful acknowledgments of the friends of Agricultural Improvement throughout the State. In all such cases as the trust undertaken by him, two things are particularly important; the first a clear conception of the work to be done, and second, all due diligence and perseverance in its accomplishment. In these respects the Secretary deserves all praise.

We have room for only a single quotation.

"The undersigned may be permitted to remark that he deems it one of the first objects of the State Society, to collect and disseminate information in relation to the most approved methods of conducting every process of husbandry, on the different soils, and under the varying circumstances which most necessarily exist on a territory so extensive and diversified as that of New York. To note also the gradual changes and improvements which annually occur in its different sections, and to make them the property of the whole, is also an important branch of our duties. The unprejudiced observer who turns his eye back thirty, or even ten years, will perceive that changes of great magnitude have taken place. Nor has the skill of the husbandman yet reached its height. Science is daily placing new resources at his command, and pointing out to him potent and unsuspected agencies which, for the want of a proper knowledge of them, have lain dormant within the reach of his hand. Chemistry has consented to become his handmaid; and geology at his bidding unlocks the secrets of the earth. Mathematics has wandered from the schools to teach him to construct the utensils of his labor; and zoology has made known her laws, to enhance the value of the flocks and herds who feed and clothe him.

The agricultural periodicals of the day are doing much to disseminate and equalize, among our farming population, the light which is flowing in from so many quarters. It is the duty of the State Society to take the lead in this effort, and to stamp permanently on its archives every progressive step, which attends the advance of agricultural science. In conclusion, the undersigned takes occasion to reiterate the hope already expressed by him, that the agriculturists of our State, if again called on to contribute their assistance to an undertaking of this kind, will evince as much zeal as they possessability for the task."

AGRICULTURE OF CAYUGA COUNTY.

Two letters on the Agriculture of Cayuga County are next given. We should be glad to insert the whole, but must limit ourselves to some few quotations.

"The principal improvements in this county consist in draining, manuring, and the use of clover and plaster as a preparation for wheat. Our intelligent faroners generally drain each field sufficiently, before breaking up for wheat or corn. The increased product pays the expense in two or three years.

The beneficial effects of plaster consist chiefly in producing a large growth of clever. If this be suffered to fall, or be trampled down by cattle after it has attained its full growth, the land will generally produce a large crep of wheat.

The soil is generally a dry loam. The west, central. and part of the northern and southern sections contain considerable limestone. A part of the northern sections is sandy, with little lime. The hilly parts before mentioned, are nearly destitute of it,

county are, wheat and wool. Considerable quanti- the ground moist and protects the tender wheat from AGRICULTURE OF DUTCHESS COUNTY ties of pork and beef are also sent to market; the larger portions from such parts of the county as are deficient in lime, and therefore not adapted to the culture of wheat.

For wheat, naked summer fallows on swarded land, are generally used by our best farmers. In most parts of this county, the crop ought to be sown as early as the 1st of September, and the land should be clean and rich. It has been proposed to sow wheat after one ploughing of grass land. This might answer on sandy soils, but on clay, the sod would remain inert, obstruct the wheat roots, and furnish little nutriment to the young plants. Frequent ploughings cause the soil to absorb from the atmosphere substances useful to vegetation.

Barley requires a rich clean soil, and the more thoroughly it is pulverised, the better. It should be rolled before the last ploughing, and thoroughly harrowed in. Oats are usually sown on stubble land after once ploughing. Spring wheat is but little cultivated where I reside. Until our land can be freed from Canada thistle, charlock, &c., the three last mentioned crops ought in my opinion to be cultivated as little as possible.

I would say to my brother farmers, drain thoroughly, cultivate less land, keep less stock, and never go to the expense of ploughing and sowing, until your land is in such condition as to afford a prospect of a remunerating crop. To new beginners I would say, imitate those farmes in your neighborhood who obtain the best

"The condition of agriculture in this county has materially changed within forty years. The town in which I settled was a wilderness, and all that was necessary was to clear off the forest, and we obtained from thirty to forty bushels of wheat per acre.

Our present condition is different. We obtain now, rarely more than twenty bushels per acre. The decrease is owing to the manner of cultivation. Many farmers have been in the habit of planting their lands to corn, or sowing to oats, peas, barley, &c., in the spring, and after taking this crop off in the fall, immediately sowing to wheat; after this, peas or barley; thus taxing the land beyond its power of production; while others, who have pursued the more judicious course of sowing clover after wheat, and rotating their crops, are still getting from thirty to forty bushels per acre, if the season be favorable.

The soil of the most part of this county is peculiarly adapted to wheat, especially the southwestern part, in the vicinity of the plaster beds. Whenever we sow this crop in this region, if we sow after clever and use the plaster freely, we seldom fail of obtaining from thirty to forty bushels per acre.

The most judicious method, I think, is to sow to wheat in the fall, and the following spring sow from six to eight pounds of clover seed to the acre, with, perhaps, one and a half bushel of plaster. The next season after taking off the wheat, mow the clover the last of June, and plaster well immediately after, then the second crop of clover will start in time to fill well with seed, which will answer to mow early in September; from which crop, we get from six to eight bushels of seed per acre. The next spring after the taking off of the seed clover, we either plough and plant to corn, or let it remain and secure another crop of clover, about the middle of July; after which, we plough and sow to wheat. Frequently, however, before sowing to wheat, we roll the ground, and after letting it remain a few weeks we go over it with the harrow and cultivator, which well pulverizes the surface of the ground. The long tap root of the clover makes a fine dressing for the wheat.

Often of late, after sowing our wheat, we cover the The principal products of the calcureous parts of the ground from one to two inches with straw, which keeps the spring frosts.

> With respect to the best method of fattening cattle, I consider one bushel of flaxseed worth more than four

my method. I put six quarts of flaxseed into a five pail kettle, and fill it with water, then hang it over th fire in the evening and let it simmer (not boil) all night Set it off in the morning, and you will have a kettl full of jelly. With five or six quarts of this jelly mi the same quantity of shorts or meal, which an ox o cow will be exceedingly fond of, after eating of it few times. Any one will be convinced of this wh has been accustomed to feeding oil cake. If the o cake is worth three shillings per bushel after extract ing six quarts of oil, what is the seed worth in th pure state?"

The agriculture of Courtland County is next no

AGRICULTURE OF CORTLAND COUNTY "This is comparatively a new country. Within half a century it was one dense forest. The land which now sell for fifty dollars and more, were pur chased for less than five dollars. We see in almes every part of the county evidence of well directed es fort in the cultivated fields, comfortable dwellings and out-houses, public buildings, temples, seminaries e learning, and above all district school houses, which are the glory of our county. The general aspect c the county is uneven, though not mountainous. Ther is, properly speaking, no waste landin the county; n large bodies of water; no barren mountains, steril plains or sunken swamps. The hills are capable of cultivation to their summits, and afford some of ou finest grazing land. The county is remarkably well watered.

The soil best adapted to cultivation is a deep gray elly loam, well adapted to the production of grain roots and grass, the three great staples of agriculturs produce. The state of agriculture in the county i such as might be expected in a new country. Ther are some well cultivated fields, but no well directed sys tem of agriculture prevails. Many fields have been under the plough for a number of years in succession producing annually small crops of corn and other grains.

The most important question remains to be answer ed, viz: what agricultural changes are requisite?

A well directed system of convertible husbandry by which I mean a judicious rotation of crops, and proper attention to the making and application of ma nure. The annual production of all our tillage land may be doubled in a very few years, and the intrinsi value of the soil greatly increased.

An acre of good tillage land in Cortland county with thirty loads of long manure on a clover or grasley, and properly cultivated, will produce eighty bush els of corn with as much certainty as forty in the com mon way, after other crops, and without manure. Afte corn, the root crop can be cultivated to great advan tage, and without any detriment to the succeeding crop of spring grain, and after roots the ground will be in perfect order for the succeeding erop. After roets, sov spring grain, wheat, barley or oats, and sow grass see and plaster with a liberal hand; and for two or three years you may expect three tons of good hay to the acre, and at the expiration of that time a good grass ley for another eighty bushels of corn.

The culture of roots, in a stock county like ours, is of great importance. Cattle may be well wintered or any kind of coarse fodder, such as cornstalks or straw with a small portion of roots daily, better than they can on hav alone. But every farmer must adopt that sys tem which bests suits his soil and circumstances."

The agriculture of Dutchess county is next report ed, in a very condensed and business like manner.

"The present state of agriculture is favorable, much improvement having been made of late years.

Dutchess county has some broken and rugged lands, bushels of corn, if properly prepared. I will give you but the aspect of the county generally, is very fine.

The soil is mostly gravelly and sandy loam.

The products are beef, pork, mutton, butter, cheese, eggs, poultry, hay, Indian corn, wheat, rye, cats, and wool; the last, is fast diminishing as a staple produc-

New and improved modes of agriculture are taking the place of old modes.

The horses are mostly of English descent. Among this blood, the Duroc breed is in highest estimation. The best cross, is considered that formed by the French and English breeds; this gives the horse more constitution and hardiness, and consequently, less liability to disease, as well as greater endurance.

Horn cattle-The Short Horn Durham is preferred for milk and beef, but as working cattle, the Devonshire is thought superior; a cross of the two breeds is preferred by many.

Sheep-Formerly the fine wooled Merinos and Saxons were in vogue; but are now giving place to sheep of coarser wool, natives, Bakewells, and South Downs; the latter varieties being reared more as mutton sheep, which is considered most profitable.

Swine-This animal has been much improved within a few years, by the introduction of the English breeds, Berkshire, Norfolk, &c.

Cattle and sheep are, for the most part, fatted upon grass. More or less beeves are stall fed through the winters, and generally fed upon meal and roots. Some few sheep are also fed for the market during the winter. Swine are generally fattened upon corn, at least, the heavier pork; shoats on boiled feed, milk, &c.

Ploughs mostly in use, are the invention of a man in this county, by name of Chamberlain. Various other kinds are used.

The common square, four beam harrow is mostly used; others of late invention are getting into use.

Hay rake-The revolving rake is preferred, as decidedly the best.

Value of our lands, is from \$25 to \$120 per acre, by the farm; average price, about 60 dollars per acre. The timber is mostly oak of different kinds, chestnut, hickory, and maple.

A diffusion of agricultural science would lead very much to advance the general prosperity of the county. To this source alone, may be attributed most of the improvements within the last few years."

Next follows the agriculture of Herkimer county. AGRICULTURE OF HERKIMER COUNTY.

The experiment of Aaron Petrie, to whom we are indebted for the report on this county, in preserving and feeding broom corn to his stock is not new. The family of Shakers at Canterbury, N. H. and others, have long practised it and with great success. So have others within our knowledge.-ED.

"The principal products here, at the first settlement of the country, were wheat and peas. They were marketed at Albany. Almost any kinds of tillage brought large crops, and little or no attention was paid to rotation. Crop after crop was taken off the soil, without any return to it, except such manure as was actually in the way. The soil of the interior is not so well adapted to the growing of wheat as the Molawk lands, yet they raised some; but their principal products were barley, and the products of grazing. The barley business became large. Large malt houses were erected in different places, after the completion of the Erie canal, and it was sold to them. The lands of the whole county, with few exceptions, became so exhausted that farming was considered rather an uphill business. About 1820, the dairy business began to attract some attention in the northern parts of the county, (particularly cheese making) All who adopted it flourished at once.

The principal products marketed in the castern cities now, are cheese and butter. Among the principal products marketed here are wool, oats, barloy, In- Green's s. w cutters, and feed them to cattle without Magazins.

dian corn, rye, hay, beef, pork, mutton, &c. In consequence partly of the large profits of dairying, the exhausted state of the soil, and the ravages of the weevil the success of the experiment. It may have been tried there has been little wheat raised in this county for several years past. We get our supply from the west. Our distillers and maltsters, have greatly diminished in number, and now import much of their grain from other counties and other States. The present condition of agriculture in this county is rather favorable It is owing to the accidental improvement of our lands by the dairy business, and the profits of that business. to which our county is peculiarly indebted.

One-half of this county is yet a wilderness, most of which will probably in time be settled; but until the boundless, fertile west becomes nearly filled, settlements here must be very slow.

There is little attention paid to the breeding of horses here. Some years ago, the Archia breed of Virginia horses was introduced here, but experience taught us that a horse that can win a purse at a Long Island race, will not answer for a draft horse. I believe the Duroc and Messenger are the best breeds among us. The favorite breeds of cattle for beef are the Durham but the general opinion is that they are not first rate for milk. There are comparatively few cattle raised here. In the spring of the year, large droves of cows are brought here from the eastern, western, northern and southern counties, and Canada. They are milked through the summer, and in the fall the oldest and poorest are partially grass fattened, and driven to the eastern markets.

The Merino and Saxon sheep have been the favorites of our wool-growers. The South Downs and Bakewells may now be added to the list of favorites. The Berkshire hogs are the best as yet introduced here, although there are others nearly equal to them.

Neat eattle and sheep are generally fattened for market on grass, and hogs are fattened on whey, petatocs, apples, grain, &c. There is much doubt whether it is profitable to fatten hogs or eattle on grain wholly.

There are several kinds of ploughs in use here. have never seen any kind that would answer our purpose as well as Clute's old patent east iron plough, and our plough makers should have continued making them; but they were induced to lay them aside by other patentees, and we must buy what we can get. We use the common three beamed harrow. The patent revolving horse rake is in general uso here, but there are a few exceptions among those farmers who are so violently opposed to "improvement," in any of its forms, that they had rather, and do still have their wives and daughters use the hand rake in their meadows.

The general value of the improved lands of this county is from thirty to fifty dollars per acre. Some, however, is sold under thirty, and some, favorably located, over fifty dollars per acre. The prevailing timber is maple, beech, birch, basswood, elm, &c., and we are not without our pine plains, hickory groves, and hemlock and cedar swamps.

Nothing will so advance the prosperity of this county, as a general agricultural education by our farmers, which we can now only acquire by taking an agricultural paper. Although there is much room for improvements, men will not adopt them until they are convinced, and that can only generally be done through the press. A great deal of the matter in our agricultural journals is not intelligible to the uneducated mind, which discourages their circulation. There is hope, however, that the rising generation, which is being better educated, will work the necessary reforms.

Allow me to mention an experiment of my own. The scarcity of coarso fodder, and the high price of hav, occasioned by the drought of last summer, induced me to gather a quantity of broom-corn stalks: I am now having them tried. We cut them with one of duced 476 lbs., the letter only 37 lbs - Furmers'

any other preparation. We have kept our cattle on them about two weeks, and I have full confidence in before, but is new to us here.

Silk Culture.

Mr. Eniron-I am much pleased with the favorable notice you have taken of the progress of the silk

I have been four years successfully engaged in producing silk, and am now making arrangements for entering largely into the business in 1843, My cocoonery is 20 feet by 60, two stories high, built expressly for raising silk. I have made 130 lbs. of cocoons the post sesson, and at a cost not exceeding the state bounty, which is fifteen cents per pound. The profit I shall realize will depend upon the demand for eggs next season, having used all my best cocoons for producing eggs.

I believe the silk culture is now firmly established among us, and only needs a general dissemination of facts, which any silk grower is capable of imparting, to induce the former to engage in this lucrative and pleasant employment. The erection of my cocoonery has awakened in the minds of my neighbors a spirit of inquity which it is hoped will result in a careful investigation of the subject.

It is believed the number of silk growers will be more than doubled next season. I know of many who intend to build cocooneries, and many more who will begin in a small way, having become fully satisfied that it is the safest and most profitable employment which can engage their attention.

My cocoons are converted into raw eilk on a reel ef my own construction, which works admirably well. The art of reeling silk is found, after a little practice, to be very simple and easy. It requires a little patience by the inexperienced, but perseverance will scon overcome all difficulties.

A market is already open for cocoons and raw silk in various parts of the country, where the highest price in cash will be paid for any quantity that may be produced. To give you a specimen of what I have done, and to show you this is not "all talk and no eider," I herewith send you a skein of sewing silk of my own raising and manufacture, which I wish you to examine, and if convenient, you may show it to your best judges of the article, and then let us hear their decision.

Yours respectfully,

JAMES W. CHAPPELL.

Lima, Sept. 15th, 1842.

We are happy to insert the foregoing, and should be glad to hear from others engaged in this business. Our columns shall in due proportion be heartily devoted to this object, which we believe destined to become a great branch of agricultural interest. The skein of white silk, which accompanied this letter, was very hendsome and good. Some merchants and tailors to whom we showed it, pronounced it very good. One very competent judge said it was as good as any Yankee silk which he had ever seen; but that it was not even enough nor strong enough. We cannot expect to reach perfection at a single stride. There is no difficulty whatever in the way of our producing as fine and as good an article as can be made. The goal is already in a ght .- ED.

Plucking the Blossoms of Potatoes.

M. Zeller, director of the Agricultural Society of Durmstadt, in 1839 planted two plots of ground with potatoes. When the plants had flowered the blossoms were removed from those in one field, while those in the other field were left untouched. The former pro-



ROCHESTER, OCTOBER, 1842.

Apology == Disappointment.

This number of the Farmer has been delayed nearly a wack, in expectation of giving some account of the Fair at Albany. The editor attended the Fair and was to have sent home a report thereof at the close-but nothing has been received from him, and we conclude that he sent a communication by private hands and it has miscarried. We can delay the press no longer, and our readers must submit to the disappointment, with our promise to make amends next month .- Publisher.

Important Notice.

Postponement.-The Monroe County Agricultural Society Show and Fair, to be holden at Rochester, notified for the 14th and 15th Oct., instant, is postponed to Tuesday and Wednesday, 25th and 26th of October.

The preparatory meeting is to be holden at the Arcads on the 15th inst. by adjournment, attendance upon which is particularly requested.

To the Friends of the Agricultural Press and the Subscribers to the New Genesec Farmer.

The subscriber respectfully announces that he has become the sole proprietor, after the first of January next, of the New Genesee Farmer, Mr. Batcham, the former proprietor, having, through i'll health, retired from the concern. At the same time, he will continue the editorship as heretofore. He regrets te state likewise, that hereafter the annual subscription for the paper must be one dollar, payable in advance as heretofore. Yet his regret is not unmingled with satisfaction in the assurance, which he has slready recaived from a great many of the readers of the Farmer, an assurance in almost every case volunteered, that such an alteration would be deemed by them equitable and would meet their active approbation. Possibly the apprebation may be universal, and then he will be happy to learn that his regret was uncalled for. This would be a little too good to expect in a world where opinions are se various, where one of the strongest passions in operation in society, among men as well as the kinder sex, seems to be to get a thing cheap, and where the fact is too much overlooked, implied in a remark of the celebrated Madame Roland, that "she always heard with pain of any one's making a good bargain, because she knew in that case that some other person must have made a poor one."

This remark is but too applicable to the proprietor and editor of this paper; for to our subscribers, the New Genesee Farmer has certainly been worth fifty eents a year, to the farmers for wrappers and to their wives and daughters for curling papers, if such profane witchery in the vanities of this world has ever crept into their premises, while to the editor and proprietor, at 50 cents, its publication has been a serious loss. Wids as our circulation has been, that sum has not the present year covered the expenses; and without the subscription be incressed as is proposed, the paper must go out; for no righteous master will requirs us " to work for nothing and find ourselves."

We respectfully ask our friends to look at the case with an eye of cander; and to sustain us, if we deserve to be sustained. We promise to do all that we

kindness; and we ask in return little more than the means of saving us from coming upon the county and being cast upon the tender mereies of Mistress Bumble.

We intend that our paper, on the first of January, shall be enlarged, and printed on fairer paper and with clearer type; that it shall contain more miscellancous intelligence of an agricultural nature than it has hitherto done; more information in regard to foreign and domestic markets; a greater variety of subjects connected with rural life and condition; the contributions of some of the best writers in the country whose aid is already engaged, and whose aid we need an increased subscription to secure by some just compensation, without which, we have not the face to ask nor the humility to accept, unless in our greatest straits; and we will spare no pains to make our humble sheet a welcome visiter in every farm house where it is permitted to enter; and that it shall not be regarded as an intruder even in a city parlor. We mean that it shall be, to a certain extent, the com panion of the gardener as well as the farmer. We promise that the most delicate hands shall not be soiled by its touch, nor the hardest hand find occasion to east it by in disdain. Wherever there are fruits and flowers, there we shall try to bring our baskets full decorated with the fairest wreaths which we can entwine. We will speak of the plants of the field, from the cedar that waves his proud head upon Mount Lebanon to the hyssop that climbs upon the wall. "Our talk likewise will be of cattle." We will gather around us the lowing berds and spread out the fleeces of gold. We will go forth in the spring to sow the precious seeds; and rejoice with the farmer at harvest home, when, by the blessing of the Lord of the Harvest, he returns in triumph, bringing his sheaves with him; and if, in doing this, we can sow the infinitely more precious seeds of truth and virtue, and show the dignity of honest labor, oftentimes for outshining even in the shade the Imperial purple, and inspire and quicken the love of rural pursuits and rural pleasures; and open men's eyes and hearts to the beauties and glories of God's visible creation, to the abundance, the variety and the ceaselessness of his bounty, we shall be but too happy in the delicious consciousness that we have not labored altogether in

We ask our friends to aid us in this attempt. A life not short has been given, as far as other obligations would permit and justify, to the cause of an Improved Agriculture, and especially to the elevation and improvement of the agricultural and rural classes. In what we have done for this cause we have no regrets and no misgivings. We believe it to be under the blessing of Heaven the cause of human happiness, of good morals, and of religion, and we rejoice in the deeper and still deeper hold which it seems to be every day taking in the public mind.

We extend to all our coadjutors and brethren in the agricultural press the hand of cordial friendship. We do not promise that our paper shall be better than theirs, or even as good as any of them; but we promise only to do our best to make it worthy of being read. Such is the cheapness of agricultural papers, in former times altogether unexampled, that a subscription to several of them would create no burdensome tax, nor oceasion an expense which any farmer would find it difficult to save from many useless purposes upon which it is now inconsiderately squandered. Devoted to this purpose, it can scarcely fail to do good.

We ask those of our subscribers, who purpose to continue their patronage, to make as early remittances as their convenience will allow. The post-masters Our arrangements, when fully completed, will be announced in our next number.

Respectfully,

HENRY COLMAN.

Rochester, 1st October, 1842.

Monroe County Agricultural Society Award= ing Committees.

The following is the list of Judges or Awarding Committees, sppointed for the Cattle Show and Fair to be held at Rochester on Tuesday and Wednesday, the 25.h and 26th inst. It is cornestly desired that the gentlemen will all consent to attend to the duties assigned them, and that they will be present at an early hour on the day of exhibition.

On Horses-Dr. F. F. Backus, Rochester, Abram Voght, Victor, Wm. Read, Wheatland,

On Bulls, Cows and Heifers-Wm. Garbutt, Wheatland, J. Allen Frost, Rochester, Jirah Blackmir, Wheatland.

On Oxen and Steers-Wm. Pixley, Chili, Cornelius De Witt, Gen. T. Brown Wheatland.

On Sheep for Fleece-Mills Landon, Ogden, Daniel McNaughton, Wheatland, J. H. Rebinson, Hen-

On Sheep for Carcusc-Jacob Thorn Rochester, H. Schenck, Brighton, Benj. Birdsall, jr., Mendon. On Swine-Jesse Harroun, Ogden, Alfred Fitch,

Riga, M. Parsons, Brighton. On Ploughing-L. B. Langworthy, Greece, Jacob

Strawn, Chili, C. F. Crosman, Rochester.

On Butter and Cheese, Sugar and Honey-C. M. Lee, Rochester, Elibu Kirby, Henrietta, M. Garrett.

On Silk, Domestic Cloth, &c.-Lewis Brooks, Reebester, Kaleb K. Hobbie, Irondequoit, Henry Martin, Clarkson,

On Horticultural Productions-N. Goodsell Rochester, H. N. Langworthy, Irandequoit, J. H. Watte, Rochester.

On Non-Enumerated Articles-Alex. Kelsey, Rochester, N. Hsywood, Brighton, William Otis,

Committe of Arrangements-L B. Langworthy, H. M. Ward, M. B. Bstehsm, P. Barry.

(For the Winter Meeting.)

On Grain and Grain Crops-L. B. Langworthy, Greece, Abram Colt, Mendon, Henry Calman, Ro-

On Roots and Root Crops-Wm Garbutt, Wheatland, Stephen Legget, Henrietta, Zera Burr, Per-

At the last meeting of the Society, it was

Resolved, That the awarding committees on animals be instructed to require the competitors for preminms, to give certificates of age, pedigree, food, work, &c., according to the 4th section of the Regulations published with the list of premiums.

It was also Resolved, That the President be requested to deliver an address to the Society on the day of

Also Resolved, That the time of holding the Fair be on the 25th and 26th of October, instead of the 13th and 14th.

Further Resolved, That the officers of the Society and members of Town Committees, and others, ba requested to meet at the Arcade Hall, Rochester, on Saturday, the 15th October, at II o'clock, for the purpose of devising ways and means.

Agricultural Addresses.

This number of the Farmer is issued during the absence of the Editor, and the publisher takes the responsibility of announcing, that, by the request of the several Societies, Mr. Colman has agreed to deliver addresses at the approaching Fairs in the counwill kindly forward them. To those persons who will ties of Cayugs, Seneca, Ontsrio, Monroe, Genesee can to merit their good will and their substantial set 🖚 agents, we promise the most liberal terms. and Niagara,—and perhaps at one or two other places.

From Colman's Second Report Experiments and Improvements.

The improvement of agriculture, as a science and an art, depends greatly upon facts. Experiments, il-Instrating what can or what cannot be done, are of great value. Farmers object to agricultural experiments. as involving expenditures beyond their means; but an experiment on a small scale, within the means of the humblest farmer, may be as instructive and conclusive, in reference to the point sought to be ascertained, as an experiment of an extended and expensive character. The point to be mainly insisted upon, and that, in which farmers commonly fail, is exactness of observation. Without this, no experiment is of any value. In this matter I have been so often disappointed, that my importunity will, I kope, be excused, when I urge upon farmers attempting, or at all disposed to attempt, experiments, to pay the most pointed attention to the mode of conducting them; their progress; the circumstances under which they are begun and carried on; and their actual results.

I believe it must be admitted, that there is no class of men of business so little attentive to exactness, in all their operations; and none more ready to draw hasty conclusions, or to deal in what are mere guesses, than farmers.

I certainly design no disrespect to the farmers, when I give an example of a conversation to which I am too often a party. Indeed I should be almost willing to give offence, if I could by any means induce to more precision and carefulness.

Thus: if I ask a farmer, if he has used lime on his land or his crops? he answers, yes. In what quantity to the acre? he did not measure the lime or the land. Could he see sny difference where he limed, and where he did not lime? he limed the whole field equally. Did he apply it with or without manure. single or in compost, or did he apply it to a part of the field with or without manure? he applied it to all parts of the field in the same way. Did he perceive any good effects upon the field thus limed and manured? yes. How were these effects ascertained? did he measure the crop? no, he measured nothing, but he was of opinion that the land was benefited by the application : he thought there was a difference in the result from what would have been, had it not been limed. But was this difference attributable to the lime or the manure? it was all limed and manured alike ; but he supposed it was the lime. I might go on, but this will suffice. This is a true account of the manner in which my inquiries are often answered; and shows how what farmers call experiments are often conducted. But can any thing be plainer, than that by such experiments no certainty is reached. Whether any advantage was obtained from liming alone, or liming with manure, cannot be determined, because the field was all served alike, and there were, therefore, no means of comparison. Again; if the crop is not measured and compared with a crop not thus managed, how can it be determined what has or has not been gained? Again; if neither part was served with lime alone, and neither with manure alone, and neither part separately from the part with lime and manure in combination, how could any thing be determined in regard to the comparative value or use of lime or manure singly or in conjunction? Then again, if any thing has been effected, yet, if nothing has been measured, neither lime, nor manure, nor land, nor cro whow can it be ascertained what has been done, an efficacy or utility is to be accredited to the lime?

I state this case, which is not in any respect exaggerated, to illustrate the difficulty of arriving at correct results solely from the neglect of intelligent and

swered, that it would be too much trouble to be as exact and particular as I propose. This is an answer which an inquisitive and intelligent farmer, if he means to respect himself, will be very shy of giving. In most cases, however, it costs scarcely more pains to conduct and observe an experiment with exactness, than to do it in the uncertain way in which it is commonly done. But in the latter case we may be properly said to determine nothing; in the former we reach the object of our inquiry, which is generally much more than a compensation for any pains-taking it may cost us. But in no matter whatever is knowledge of any substantial value acquired without labor and careful inquiry. We might as well complain that we cannot obtain the harvest without sowing the seed, and tending and cultivating the growth. But the constitution and laws of the divine providence in these cases are inviolable, and not to be turned aside for our convenience or indelence; and as far as concerns man's moral benefit, the benevolence of this un changeableness corresponds with its infinite wisdom.

For the New Geneses Farmer. The Orchard.

The cultivation of good fruit is of such importance to the farmer, that it cannot be too often nor too strongly recommended to his attention. I have lately travelled through a considerable portion of the country, and have taken some pains to ascertain the quality and condition of the orchards particularly. I have found many excellentapple orchards, loaded with the finest varieties of fruit, but these would not average one in fifty.

The greatest number are of the most worthless character, and the trees miserably taken care of .--Suckers are growing up for several feet around the trees, and the heads or tops have never been pruned or thinned out. This neglect would in a few years deteriorate the very best of fruit.

Besides the neglect with which Farmers themselves have treated this subject, there are other causes to which the scarcity of good fruit may be very justly ascribed, viz; the peddling of apple trees around the country by persons possessing comparatively no knowledge of fruit culture themselves, and caring as little, if they could only make a profitable business of it. The practice of such persons, I find, has generally been to recommend such kinds, whatever they might be, as they had in greatest abundance.

Extensive frauds have been practised throughout the whole country, by persons who make a business of engrafting. They generally represent their scions as some of very excellent and popular kind, when in fact they know nothing of their character whatever. Scarcely a farmer with whom I have conversed, but has been thus deceived. These gentlemen and their scions are well worthy of notice.

Every person who plants a fruit tree, or propagates one in any way, should spore no pains to get the best kind, and from a reliable source. No confidence should be placed in these itinerants who have no character at stake, for disappointment will be the result in nine cases out of ten.

Pears, plums, peaches and cherrics, are ten fold more deficient than apples. There have been very few, if any, good pears in market this sesson; those that have been brought in, have sold at \$2,25 to \$2,50 per bushel; but you might travel 20 miles in many parts of the country, and not find a single pear tree with fine fruit in use at this season. Plums are plenty, but of poor quality, and mostly the common blue. The green gage is to be found in many gardens; some fine vellow egg, and Huling's superb, and Bolman's Washington, &c., have been selling at 121 to 25 cents per quart, while the common sorts would exact inquiry and experiment. But I shall be an I scercely sell for so much by the bushel; and so with allowed for its faithful performance.

peaches; fine, large, good flavored peaches command \$2 per bushel, while the great bulk of those brought to market, are sold for 371 to 75 cents. In fact. persons who have been in the habit of enting fine peaches, would scarcely consider the great bulk of those that come to market at all palatable. Such fruits only encumber the ground, for they will never sell for enough to pay for picking them.

Quinces are well worthy of cultivation, and yet are exceedingly scarce. This region is well adopted to their growth-they bear abundantly wherever they are to be found, and sell readily in market for \$1,50 to \$2,50 per bushel.

The cultivation of the small garden fruits, such as strawberries, raspberries, currants, gooscberries, &c., is much neglected; they are easily procured, easily cultivated, and add greatly to the comforts and luxuries of the family board, at a season of the year when fruit is generally scarce.

Transplanting.

The fall is decidedly the best season for transplanting all kinds of hardy trees, though this is contrary to the general opinion throughout the country. Many say they have never succeeded so well in the fall as in the spring. The reason of this is that their fall planting has not been performed in due sesson. If trees are carefully planted and secured from being blown about by the winds, any time in the latter half of the month of October, or the first week in Nevember, they will gain nearly a year's growth over those planted the following spring. Besides the spring is always a busy season with the farmer, and the planting of trees, shrubs, &c., if deferred till then, is too frequently forgotten entirely.

Persons who intend planting orchards or making improvements around their dwellings by planting ernamental forests trees and shrubs, &c., should avail themselves of the very earliest period of the present month suitable for doing so. It is also the only proper time for transporting trees, &c., to the interior of the country. Trees can be carried safely by canal to the most distant west, if shipped early; in spring it is quite impracticable, as vegetation is invariably too far advanced before canal pavigation commences.

Many persons possessing a heavy clay soil, have become quite discouraged from their trees dying year after year: several have told me that it is no use for them to plant more, as they will not live. The difficulty is, they have taken no more care in planting than is requisite in the finest sandy loam.

In stiff adhesive soils, the subsoil should be dug ou at least one foot deeper and two feet farther in circumference than the roots of the tree require, and good friable surface soil filled in; and the surface should be kept as well hoed as a flower border, during the first year at least after planting. Let those who have a heavy clay soil, pursue this practice and they will P. B. be successful.

Orchard Caterpillars.

Attentive observers will doubtless have noticed that these insects have been on the increase for a year or two past, and it would be well if effectual measures were taken to destroy them while their numbers are vet small. The perfect insect deposits its eggs, during the latter part of summer, in the shape of belts or cylindrical rings on the smaller branches and near their extremeties. These rings are then covered with a resinous substance which excludes moisture and they remain uninjured till the following spring, when the young caterpillars hatch, grow, and devour. Each ring of egga produces a neat of cateroillars.

At this season of the year, these nests of eggs are easily seen, and if cut off and burned, the operation will save the more troublesome task of destroying the insects next spring, and at a season when less time is

Michigan, several articles on the subject of a Tariff for protection. Our correspondent shows only one nide of the question, and that certainly not the most popular. The true wisdom is to hear both sides. We certainly shall admit no articles properly speaking of a partizan character, but this does not preclude the fair discussion of a subject so intimately connected with the agricultural interests of the country as this. Our nor to changing or amending our opinions, whenever we see reason to change or amend them. It may be said that Congress having adopted the protective policy there can be no farther reason for the discussion. This certainly, in a government where any laws may be altered or amended, does not apply; and the subject being no longer a matter of doubt and struggle, may therefore be examined the more calmly. Our columns will be as open to the arguments on the one side as the other, and we invite discussion so far as we have room, without interfering with matter of more general interest. Our friend having favored us in this way, will, we hope, do more for us in some way more directly practical .-- En.

For the New Genesee Farmer PROTECTIVE TARIFF .-- No. 1.

Ma. Epiroa—Of several subjects on which I wish to express my views through the medium of the "Farmer," the one foremost in my mind at present, is the subject of the "Home League" or Protective Tavili; from the fact, that hardly an Agricultural paper comes to hand but that contains more or less argument in favor of that object.

I propose to examine, in a cursory manner, several of the arguments in favor of Protective Duties; as they occur in my daily intercourse.

If my views are incorrect, some of your valuable correspondents will be able to convince me of my error through the same medium; and if my positions can be refuted by sound logic and experience, no political bias shall deter me from acknowledging my error. I have no other object than my own information and the promotion of the best interests of the farmers of America.

In the first place, I would state, that I am in favor of "Free Trade" in its literal sense, and opposed to a Tariff for Protection, as a general policy. I consider it nothing more nor less than indirect taxation; but I cannot see why we may not as well or better (under present circumstances,) be taxed for the support of Government in that way as any other.

The great strife among civilized nations, at the present circumstances,) be taxed for the support of Government in that way as any other.

I am therefore in favor of a Discriminating Tariff exclusively for revenue, sufficient for the support of our Government, administered upon principles suited to our Republican Institutions.

What I mean by discrimination is, that the duty should be levied in such a way as to collect a revenue and not oppress the laboring classes. I hold it to be unjust to tax the poor man as much as the rich, for the support of government, by way of a duty on necessary articles, of which the poor individual consumes as many or more than the rich one. For that reason, I am decidedly opposed to a uniform ad valorem duty on all imports. I have no objection to any incidental Protection that may be afforded by a Tariff for Revenue founded upon correct principles; but there is a material difference between a Tariff for Revenue and one for Protection "proper." They are directly opposite in effect.

A discriminating "Tariff for Revenue," if judiciously laid, would not wholly prevent foreign competition, or materially enhance the price to the consumer, but would rather have a tendency to keep up an equilibrium of prices, and encourage legitimate commurce, in opposition to prohibition and smuggling.

It is obvious, if an article is prohibited, there can be

We have received from a espected correspondent in ichigan, several articles on the subject of a Tariff protection. Our correspondent shows only one le of the question, and that certainly not the most pular. The true wisdom is to hearboth sides. We tainly shall admit no articles properly speaking of a trizan character, but this does not preclude the fair emails of a subject so intimately connected with goods to the consumer.

the agricultural interests of the country as this. Our own opinions on this subject have been very fully and frankly given; but we are not the less willing to hear of all foreign "gew-gaws" which are useless or injurithe opinions of others for having made up our own; out to us as a nation; on the same ground that I would not to changing or amending our opinions, whenever we see reason to change or amend them. It may be

I am not opposed to the refinements of life, (such as do not enervate the faculties,) nor to the moderate use of luxnries, providing that we limit our expenses to our income, after providing for the common ensualties of life. I do not wish luxories prohibited, but admitted on such terms as will collect the greatest amount of revenue. Their moderate use is far preferable to a miscrly, Shylock disposition, as it has a tendency to keep down overgrown wealth, and distribute the means among the many.

All the civilized nations of the earth have latterly turned their attention more to commerce, and the production of the necessaries and luxuries of life: In a great measure, the "swords have been beaten into plough shares and the spears into pruning hooks." We are in the commencement of a new era, and Heaven grant it to continue and progress!

If peace should continue and the earth bring forth bountifully, and pestilence not walk abroad, nor anarchy prevail, all the nations of the earth will produce more than the whole world can consume.

What is to done with the surplus, is a subject to be considered. It was calculated before the great improvements of the day, that active employment of every individual four hours each day, would produce all the necessaries of life. The facilities for producing have increased in a short time an hundred told; by the use of steam, the improvement in labor-saving machinery, and the application of science to agriculture and the arts. If this desirable state of things continue, who can calculate the immense surplus that would accumulate, under the present rate of consumption, in half a century to come? To my mind, low prices are inevitable.

The great strife among civilized nations, at the present time, is for the ascendancy in commerce, and the facilities of production; and lamentable tocontemplate, that, with perhaps one solitary exception, the leading motive that impels them onward, is the aggrandizement of the few, and the consequent oppression of the many. But the tendency of moral reason is in the ascendant, and it will ultimately prevail over mere force—but before that is fully consummated, all these systems of government founded in oppression must crumble to dust. I sincerely wish the revolution may be bloodless, but come it must—the vengeance of Heaven wilt not always be "stayed" upon the hear's of those nations that work and starve their population to death, under a wicked pretence of "protecting their industry."

I shall endeavor to show by argument, in my next number, that a Protective Tariff is decidedly opposed to the best interest of the farmers of America and the nation at large.

I anticipate that some of your readers may consider the discussion of this subject as out of place in an agricultural paper; on the account of its being ultimateby connected with party politics.

I consider it a great National Question, (not necessarily a party one,) and one that concerns the farmers as much as or more than any other class of producers, and as such, I shall endeavor to treat it—wholly regardless of party considerations.

Monros, Mick., 1842.

J. S. DUTTON.

Protective Tariff .-- No. 2.

I propose now to examine the argument adduced in support of a Protective Tariff. The friends of the measurs maintain that it will be beneficial to the whole community, from a great contrariety of reasoning.

First, it is assected by some of the advocates of protection that a duty does not increase the price to the consumer, but merely collects the government revenue out of the toreign producer.

Can any man maintain that the corn laws of England operate in that way? Mast they not admit that when those laws exclude our products from the English market, at the same time they cut short their own revenue, and also that the said laws are an oppressive burden upon every class of community except the privileged land holders.

I would ask further, why do the American manufacturers manifest so much suxiety on the subject of protection? Why are we told that unless the duty is raised that the majority of all the manufactories will be compelled to stop business for want of sufficient profits to sustain them? And how can the profits be increased on the manufacture of a ton of iron, or a piece of coarse woolen, or a paper of pins, (by a tariff) unless the prices are raised by it? The fact is, and it admits of no cavil, that the prices are raised by duties, and if they were not, manufacturers would derive no benefit whatever from a tariff; it would be all the same to them whether there was a duty or not. and the maunfacturers themselves concede the argument and admit the principle, when they "resolve that a duty upon the raw material is a tax upon the manufacturer."

Another reason act forth in support of a protective tariff is, that by protecting the manufacturer you incidentally protect the farmer, or in common parlance it is called, "building up a home market," which to my mind, is a subtle, deceptive cant phrase, that has caused mors delusion among the producing classes than every other in the tariff calendar. What! the manufacturers of New England consume all the surplus of this "mighty West!" They could not do it if they were fifty times as numerous; but I am admonished that declamation proves nothing, so to the argument of logic, fact and figures, on which I rely to sustoin my views.

They admit that although the farmers at first would have to pay a little higher price for all the goods they consume, yet it would enable the manufacturer to make larger profits than they now do, and the result would follow that a portion of those farmers who are now engaged in agriculture would abandon their business for that which was more profitable; consequently, by the operation of the infalible laws of trade (supply and demand on less competition,) the farmers would obtain an equally enhanced price for their products.

I am not prepared to say the position is wholly groundless and that it is not a true one to a certain extent in most cases; but let us examine the practicability of the argument in this case. By refering to the last census, we find that there are five millions of persons actively employed in the different pursuits, and that 10 per cent, or five hundred thousand of that number, are engaged in trades and manufactures of every description, and that the whole amount of manufactured goods produced in the United States for that year, was estimated to be worth \$395,832,615. and that the aggregate amount of like manufactured goods imported, amounted to \$51,145,711. Now by applying simple proportion we shall find the result. If 500,000 persons, by the use of machinery, produce \$395,832,615, how many persons will it take to producs \$51,145,711, the amount imported that year Answer, 64,610 men, women and children.

Is it not obvious then, that if the whole number of

persons required to perform that amount of work or large manufacturer; and what is that but the docwere to be taken exclusively from the agricultural community, that there would still remain a number sufficient to produce an immense surplus of agricultural products? Every individual may form his own conclusion what number of those persons would be abstracted from among the present number actively engaged in agriculture, if we were to commence and manufacture every article which we now consume. My own judgment is, that it would not lesson the present number of agriculturists sufficient to produce one million of dollars less than we now do. It must be borne in mind, that manufacturing is mostly carried on by the use of machinery, and the employment of females and children, who could not be employed in agriculture generally, under any circumstances whatever; so that in any view of the subject, the conclusion is certain that America must necessarily produce a great surplus of agricultural products; and so long as we have a surplus, we must depend in a great measure upon a foreign market to establish the price; consequently a high tsriff would not raise the price of "bread stuffs" here, out would rather have a tendency, in my judgment, to depress prices, as it would deprive foreigners of the ability to purchase our products by excluding their manufactures from our own market.

Every nation that austains a commerce, must necessarily produce a surplus of some kind; and sound policy would dictate that government should encourage the production of such articles as we can produce to the best advantage, as compared with those nations with whom we exchange products; or at least, that government should place no restriction or impediments in the way of raising those products by burdensome taxes in order to encourage or build up some other interest or business which we as a nation cannot prosecute to the same advantage. Now in what consists the great natural advantages of the United States if not in agriculture, emphatically agriculture, and does not every man respond to the sentiment? Is it not the great balance wheel of our republican institutions and government itself? whilst extensive manufacturing, in the nature of things, is incompatible with the equal rights and equal privileges of a Democratic Republican Government, Manufacturing requires concentrated capital, and creates a great distinction between the employer and the employed; and those two things combined, ever have and ever will oppress the many in every land where they existed; and I religiously believe that no nation of people, whose leading business was decidedly manufacturing, ever did or ever can support a Republican form of government.

F Entertaining these views, I am decidedly opposed to the agricultural interest being made of secondary importance and subservient to all others. The natural tendency is to drive all men who have mental energy and active business habits into other employments, which is one cause why the farmers, as a class, are considered by many inferior to the merchant or manufacturer.

1 sm confident that the farmers work harder, live cheaper, and receive less at present for their labor and capital invested, than the merchant or manufacturer, or even less than they will under the tariff, according to the "compromise act," and I think that the farmers require protection more than the manufacturers, and are at least as much entitled to it as they are.

But they tell us that hard work and plain fare is conducive to health and sound morsls; that our sleep is sweet and we are not troubled with Bank debts, and that they think extravagance in dress is a great sin married couple receives two acros in each of the three portions, i.e. winter grain, spring crop and fallow, into

trine of all monarchica and a sure way to build up and perpetuate a privileged order. Now I claim for the farmer, after producing his share of the wealth of this nation, as much leisure time for the cultivation of the intellect, or to be appropriated to pleasure, as any other class of producers; but such is not the esse at present; and I call on the advocates of protection to give the farmer "protection" direct-give us a bounty of 20 per cent on all the products which we export, (that would be perfectly consistent with the doctrine and practice of "protection"). The farmers have the same argument to offer that the manufacturers have; namely, that a portion of those persons at present engaged in trade and manufacturers would then engage in the more lucrative business of farming; and then by the operation of the same laws of trade, (supply, demand and competition,) merchants and manufacturers would obtain a higher price the steppes, where wood is scarce, for heating the for their goods than they now do.

I have no doubt that supply and the demand, as a general rule, establish the price of all our staples. The doctrine must be considered good in a healthy state of trade; but sometimes the spirit of monopoly, through and by the instrumentality of a credit system, subverts all those salutary laws ; I offer, therefore, for the consideration of the farmers, another proposition to raise the price of their products, -suppose they spend a portion of their time in ornamenting their grounds with fruit trees and shrubery ; produce less in quantity at a greater per cent profit, by cultivating less land-not forgetting the most important of all culture, the cultivation of the mind-and my word for it, they will, as a class, he in better circumstances in a short time than they will be with a " protective tariff," or to continue on in a system of overproduction. To be sure the more we produce the more we enrich the nation at large; (as it certainly will be exported when at very low prices here,) and turnish cheap bread for the mechanic, the merchant and the manufacturer. At the same time when we produce a large surplus, we lesson our own profits, while they in their turn, are not willing to come down to our profits, but are calling on government to protect them by giving us high priced goods and man ulactures.

J. S. DUTTON. Monroe, Mich., August, 1842

Agriculture in Russia.

The estates are estimated by the number of souls upon them, taking into account the male seris only. This is an ancient custom derived from the old times, when the revenues depended upon the number of hands at the disposal of the owner. At present the case is changed; the land is the source of the profits, while the seris are a dead weight upon the proprietors. The custom of the country is to allot to the pessants the half of the land which belongs to the owner of the estate, to defend them against all aggression, and to respect their property with strictness.

With these means and this order of things, the peasant is by no means in a bad condition. His habits and desires are, owing to his want of civilization, simple in the extreme. But were his wishes enlarged, he could easily gratify them; land, and the time to cultivate it, are at his disposal. A village of 200 souls, (i.c. male peasants of all ages,) possesses usually 2,000 acres of productive land. Two hundred souls are usually reckoned to furnish 80 laborers, women and men; for the wives toil as well as their husbands. These work 3 days in the week for their master, who gives up to them in return, the half of his land.

The system of agriculture is triennial, with fallows:

which, by this system, the arable land is divided so that they have in all 6 acres, in addition to one acre of meadow and one also of pasture; besides this, they have the ground for a house, garden and out-buildings; by way of rent for their allotment, the peasant and his wife are required to cultivate as much more for their master.

The fine season being very short, the operations of husbandry are performed with surprising activity. Tho vast tracts covered by abundant crops, are quickly bared, and the produce is heaped up in open barns. In winter the grain, consisting of rye, (the staple food of the country) wheat, barley, oats, pease, millet, and buckwheat are threshed, usually with the flail, but sometimes with a Scotch threshing machine, and it is then transported into the towns-sometimes to a distance of 100 or 200 versts, that is 67 or 134 miles. The straw is consumed by the cattle, and is also used in stoves. There is, however, often a surplus, which is employed to make fences for gardens, or embankments for ponds and marshes. The roads and highways not being stoned, the immense transports of produce can, generally speaking, only he made in winter on sledges; if it ever takes place in summer, it is effected by means of oxen, the keeping of which costs nothing, since the road itself supplies them with pasture, for it is not less than 210 feet, or 30 sagines wide, and all as green as a meadow. A few ordinary sheep, pigs, poultry of all kinds, and one or two cows in addition to the horse of a very sorry kind, complete the live stock of the peasant, and help to consume the produce of his land, which he cannot sell at any price, however low, on account of the distance of the markets. In a year of plenty, the different kinds of corn become exceedingly cheap, and are consumed with a reckless improvidence. since no one thinks of laying any thing in reserve. And this will explain the terrible deaths which sometimes visit Russia.

Every peasant cultivates for his master and himself, in addition to the fallow, eight acres and mows two acres of mendow. Every acre, in a plentiful year, gives not less than ten measures, termed chetverts, of grain, equal to 216 lbs. An opinion can, therefore, readily be formed of the immense quantity of the produce annually raised in Russia, of which more than one helf remains on their hands, owing to the lowness of the price and the prodigality of the consumption. Two or three successive years of good crops overload them to the greatest possible degree; and the storehouses are not capacious enough to contain the corn raised, the more so, as buildings of all kinds, from the scarcity of stone and wood, are expensive.

However full of grain of all kinds the storehouse may be, it is utterly impossible to check the production -they cannot dismiss their laborers (seris) when they do not want them, as if they were hired laborers. And in spite of the superabundance on hand, they must contimue to produce, were it only by way of employment. In fine, the result of this state of things is an extreme lowness in price of all articles, almost below the cest of production. Witness the following prices of produccat Tamboff in November, 1837. Ment from 1 to 4 cents per lb.; Ryc, per chetvert, 87 1-2 cents; Potatoes, 15 to 20 cents; Fat Turkies, per pair, 43 cents; Geese, per pair, 58 cents; Fowls or Ducks, per pair, 30 cents; Flock Game, 24 cents; Gelinotics, 40.

Tomatoes a Cure for Scours in Pigs.

Last fall, we had a pig that was taken with the scours badly. We tried various remedies for it with but little effect. One day we threw over to it two or three tomatoes, which it ste readily, and which we found gave it relief. By following this course a few days, it was finally cured .- Maine Farmer.

Indian Corn. - The first severe frost of the season

From Colman's Second Report. Shakers' Establishments.

In a survey of the Agriculture of Berkshire, it would be inexcusable to pass over these establish

1. The Family at Tyringham consists ordinarily of one hundred members. The farm is understood to contain more than one thousand acres, principally situated on the side of a high hill, and running down into the valley, where it is crossed by the small stream called Hep brook, which empties into the Housatonic river at South Lee. The view from this eminance, as the prospect extends towards the northwest, embracing the village of Lenex, "aet upon a bill," with the whole intervening valley of a diversified aspect and luxuriant soil, the little manufacturing bec-hive of South Lee, and the many rich summits every where scattered in the background of the picture, their tops and sides fringed with the chesnut and the rock maple; and the noble pile of Saddle-Mountain lying in the distant perspective like a contemplative giant in his repose, is among the most beautiful of those enchanting views, which are constantly opening upon the traveller, in this picturesque region.

The principal object of their farming, at Tyringham, is the raising of stock; neat cattle especially. Their dairy is well managed; and they have a garden of four or five acres, devoted to the raising of garden seeds and medicinal herbs, under skilful and successful cultivation. Their annual sales have sometimes amounted to \$3,100; and they allow to their agents twenty-five per cent. commission on sales, and take back what is unsold. They produce some wheat, corn, and oats; and they are now effecting with great labor and admirable skill, the redemption of extensive alluvial meadows on Hopbrook, by draining, rooting out the stumps, and cultivating the soil, which will bring those lands under a course of most productive improvement.

Ol the religion of this peculiar people, it is not for me in this place to speak. A religion which bolds the severest restraint over appetites and passions ever liable by their excesses to lead men astray, which encourages industry, frugality, mutual love and kindness, and that which is certainly not lowest in the scale of virtues, the most exemplary neatness and order in every thing, is so far entitled to respect and commendation. Under whatever aspect we view it, we have at least occasion to congratulate ourselves, that we live under a government tolerant to every honest differ once of worship and opinion; and to remember, that the same principle, which secures freedom to ourelves, should guarantee to others a like boon.

2. The establishment of the brethren at Pittsfield and Hancock, consists of about seven hundred acres, lying together; and is possessed by three large families, containing upwards of three hundred individuals. They are united for all the general purposes of their sociaty; but in their financial concerns are as families separate from each other. The land is not of the best description, being low, cold and wet; and their attention is mainly directed to the cultivation of grass and garden seeds, and the keeping of cows and sheep. Their first purpose is for their own supply. They raise the best they can, and they cat the best they raise; and though from their temperate and careful babita their thrift in remarkable, yet the accumulation of property is evidently not a principal object with them. They have various mechanical contrivances by which their labor is abridged or lightened. They have made the best use of the water power which their place furnishes, and busband it with care and economy. They have an extensive saw-mill carried by water, and all their fuel is cut in the same

triffing to mention, impressed me by its shrewdness and good judgment. Ordinarily, fire wood is piled horizontally, and when exposed to the weather, becomes water-seaked and mouldy. Their billets of wood being sawed were stacked up in convenient piles, the sticks being placed upright on the end, so that any water which fell upon the pile was immediately drained off. After being sawed they were neatly put up under cover.

I have already referred to their magnificent barn. built of atone of a circular form, three stories in height, ninety-six feet diameter, and capable, as well as may be calculated, of containing from three to four hundred tons of hay. The carts enter in the second story; the floor or drive-way is continued round by the wall for the whole of the circle, so that the cart nasses round the entire distance, and when the hay is discharged, goes out at the same door at which it entered. All the bay is deposited in the centre. Sevoral loaded wagons may stand in the floor, and be sheltered and unloaded at the same time.

The roof is a beautiful and curious specimen of carpentry; and appears to be most securely supported. In the centre of the floor, there rises to the apex of the roof a single column as large as an admiral's mast, around which a hollow frame of slats is fixed, and which serves as a ventilator or chimney to discharge the steam of the hay. It is open at the top, and protected by a small cupola against the rain. At the same time the bay is raised from the ground. about a foot by an open floor of clats, so that there is, while the hay is new, a constant circulation of air up this chimney; and one of the friends informed me. that the steam passing from the hay in this mode was oftentimes so dense, that, to use his own expression, "you could wash your hands in it." The arrangementa for the cattle are in the lower story, where every animal has its place and number, and where every cow is designated by a label on the post as in milk or otherwise. In this circular form, there is el course a considerable loss of room; yet the method of feeding is easy; the place is kept clean; the whole arrangements are convenient; and the kindly treated animals standing around this huge mass of bay, have at least the pleasure of aceing the good things in store for them. These friends have aingular advantages, in the amount of labor which they are able at any time to command and apply to any object which they have in view; and their establishment presents a beautiful illustration of the advantages of well directed industry, neatness, and order. The great rule of domestic economy "a place for every thing, and every thing in its place," is no where more strikingly exemplified; and though they make no pretensions to the fine arts, and have little of what is called taste, yet all their arrangements, and the products of their labor, exhibit the proofs of thoroughness, permanency, utility, and substantial comfort.

Their dairy is exquisitely neat in every part of it. Their piggery is the exclusive concern of a single individual; and illustrates the utility in a large concern of a division of labor and of individual responsibility. They have attempted an improvement of their neat stock, by the introduction of some of the improved breeds, and the young stock which they were raising from this cross, promised extremely well, though no opportunity had been had to test their qualities for milk. Their land is considered in a great measure unfavorable to the production of grain; and a large portion of their bread stuff therefore is purchased. They have likewise occasionally hired extensive tracts of meadow on the Mohawk river in the state of New York, which brush for the manufacture of brooms, a branch of buway. A simple arrangement which it may appear sinces which heretofore they have carried on to a con-liquids of the yard. But it may aften be done to ad-

siderable extent. They keep a large flock of sheep : and all their woollen fabrics are manufactured among themselves. They likewise are very extensively engaged in the raising of garden seeds, which are put up in a very neat manner, as is well known, and distributed over the country.

A three story brick building or college, erested for one of their families, is most remarkable for its neatness and the excellence of the materials and workmanship. What by the "world's people," is called taste, that is a study of symmetry and beauty in the forms of objects, is studiously abjured by this remarkable community. Yet in the perfection of finish, which they bestow upon every production of their mechanical industry, they show that native perception of fitness, order, and harmony, which constitute the elements of the most cultivated and refined teste. The same amount of expense and labor, of which they are never sparing, already devoted to the construction of their buildings and the arrangement of their grounda, had they indulged themselves even in a slight degree in tasteful ornament and embellishment, without impairing at all the convenience, utility or permanence of their works, might have rendered them extremely beautiful. In so doing they would have found in them a new and prolific source of pleasure, may I not add also of improvement. I know their candor will pardon these suggestions which have no unkind origin; and which have their foundation in the universal beauty of the natural world, as seen every where and always even in the perishable crystals of the frost, and the fading tinta of the sky, in the plumage of the birds, in the unrivalled splendors of the vegetable world; in a word in every production of the divine power and goodness from an atom floating in the sunbeam to a planet, whoeling its course in the glittering arches of the skies.

From Colman's Second Report. Compost and Liquid Manures.

Manures are the very sinews of agriculture; its food; its life-blood. To this matter the attention of most farmers cannot be too strongly directed.

It is generally conceded that all snimal manures have most efficacy when applied in the greenest state. They are then most active; and their chemical effects upon the soil are immediate and powerful. In a direct application to the soil, however, they cannot be very thoroughly intermixed; and on this account. without question, they are less efficacious than they would be, if uniformly distributed and thoroughly incorporated with the earth. To effect this object in the best manner, it is desirable to form them in compost heaps, with other substances; mud, scrapings of yards, scrapings of roads, sods or decayed vegetable matters of every description; and even simple loain or mould, or any substance which will act as a retentive absorbent. Thus compounded the liquids of the manure will be retained and the escape of the valuable gaseous effluvia prevented; and by being thoroughly and equally intermixed and diffused, the whole mass becomes a valuable and efficacious manure. The amount of manure in this way is greatly increased; and it is believed, that one part of green animal manure combined in this way with two parts of mould, swamp mud, decomposed peat, and even some portion of clay, will prove quite as serviceable as if the whole mass were animal manure applied in a raw and unmixed state. Some intelligent farmers maintain that the proportion of animal manure or dung requisite to impregnate a large mass in compost is much less than I have allowed. This can be always favorably done in a well constructed barn-yard. The betthey have cultivated by colonies, in order to obtain tom of a barn-yard ought always to be kept well covered with loam or mud, or other matters to absorb the cultivated is seasonably carried out and mixed with mould obtained from the headlands to form the heap, which being turned over and worked up once or twice, will then be fit for use.

There is another matter, to which I invite the attention of farmers; that is, the saving of liquid manures. In the best districts on the continent of Europe, the liquid parts of manure are considered in every respect equal to the solid. There provision is made for saving and compounding them with the greatest care; in stone and water-proof vaults formed under their cow-houses. In our dairy districts capecially, where large herds of cows are kept, a great amount of this manure might be secured by vaults, formed under the stells with spouts leading into them. With a view to the same object likewise, the cattle instead of lying in the yards at night, should be always tied in stalls. If the barn is properly ventilated, and the stalls littered, they will lay as comfortably and securely as in the yards; and the saving of manure would much more than pay for any extra trouble, which it might be supposed to involve. These are homely subjects, but as important as they are homely. Doubling our manures is quadrupling our crops; and wheever will look with disdain upon a manure-heap, is indifferent to some of the most wonderful and beneficent operations of the divine Providence; and to the most remarkable and instructive lessons of religious philosophy.

THE URINE CISTERN. From Radcliffe's Flanders.

The prine cistern is constructed to contain any given quantity. The usual copacity of the vault is for 1000 tonneaux, (barrels containing about 38 gallone, English,) which quantity for the rape crop, will manure little more than two bonniers, or seven English acres. But the cistern under the stables is nearly of double size; from this the exterior cistern is filled; and between both the farmer can fairly count upon menuring in the best manner, six bonniers or twenty-one English acres; or perhaps two bonniers in addition, of crops which do not require so much manure. The whole of this quantity (exclusive or farm-yard dung, ashes, composts, &c.,) is produced by eight horses and thirty six head of cattle, housed winter and summer in well constructed stables, increased by the adventitions aid of the rape-cake and the vidanges from the privies. In a cistern of 1000 tonneaux, it is not unusual to dissolve from 2000 to 4000 rape-cakes at 2 lbs. each. Indeed neither industry nor expense is spared for the collection of manure, as upon that depend the produce and fertility of a naturally bad soil. The farmer, who fails to make these exertions, is sure to be left in the back-ground.

The cistern is for the most part formed under the range of stables from each stall of which the urine is conducted to a common grating, through which it descends into the vault. From thence it is taken up by a pump. In the best regulated, there is a partition in the cistern, with a valve to admit the contents of the first space into the second, to be preserved there free from the later acquisition, age adding considerably to its efficacy.

This species of menure is relied on beyond any other, upon all the light soils toroughout Flanders; and even upon the strong lands, originally so rich as to preclude the necessity of manure, is now coming into great esteem, being considered applicable to most crops, and to all the varieties of soil.

HARLEY'S EXPERIENCE.

Harley who kept a dairy of a hundred cows, near lands with cows' urine, almost exceeds belief. Last nihilated as far as regards any useful purpose, is in-

vaniage, where the manure on a field designed to be season, some small fields were cut six times, averaging fifteen inches in length at each cutting; and the swarth very thick."

EXPERIMENTS OF C. ALEXANDER.

The following extract transferred from the Farmer's Magazine to that spirited and volumble agricultural work, Young's Letters of Agricola, is so important and instructive that I subjoin it:

"This intelligent farmer, Charles Alexander, near Peebles, Scotland, had long been impressed with the great importance of the prine of cattle as a manure; end he set about to discover, by a long and well conducted series of experiments, the best method of collecting and applying it. He began by digging a pit contiguous to the feeding-stall, but distinct altogether from that which was appropriated for the reception of the dung. The dimensions of this pit, according to his own account, were 36 feet square, and 4 feet deep, surrounded on all sides by a wall; and the solid contents were 192 yards. Having selected the nearest spot where he could find loamy earth, and this he always took from the surface of some field under cultivation, he proceeded to fill it; and found that, with three men and two horses, he could easily accomplish 28 cubic yards per day; and the whole expense of transporting the earth did not exceed £41. I6s. When the work was complete, he levelled the surface of the heap, in a line with the mouth of the sewer, which conducted the urine from the interior of the building, on purpose that it might be distributed with regularity, and might saturate the whole from top to bottom. The quantity conveyed to it, he estimates at about 800 gallons; but as this calculation was founded partly on conjecture, for he measured not the liquor, it will be better and more instructive to furnish and preceed on DATA, that are certain and incontrovertible. The urine was supplied by 14 cattle, weighing about 34 stone each, and kept there for five months on fodder and turnips. The contents of the pit produced 288 loads, allowing 2 cubic yards to be taken out in 3 carts; and he apread 40 of these on each acre, so that this urine in five months, and from fourteen cattle, produced a compost sufficient for the fertilization of seven acres of land. He states further, that he had tried this experiment for ten years, and had indiscriminately used in the same field either the notted cow dung, or the saturated earth; and in all the stages of the crop, he had never been able to discover any perceptible difference. But what is still more wonderful, he f und that his compost lasted in its effects as many years as his best putrescent manure; and he therefore boldly avers, that a load of each is of equivalent value.

"Conclusions of vast importance are deducib from this statement : and I cannot resist the feeling of placing them in a strong and advantageous lights They speak a volume of instruction; and if we are willing to learn, they must lead to a very material alteration in the construction of our barns. It appears, then, that in five months, each cow discharge. urine which, when absorbed by loam, furnishes manure of the richest quality, and most durable effects, for half an acre of ground. The dung-pit, which contained all the excrementitious matter of the 14 cattle, as well as the litter employed in bedding them, and which was kept separate for the purpose of the experiment, only furnished during the same period 240 loads, and these, at the same rate, could only manure 6 acres. The aggregate value of the urine therefore, when compared with that of the dung, was in the ratio of 7 to 6; so that we are borne out by these premises in this extraordinary inference, that the putrescible liquor which in this province, and un-Glasgow, says " that the advantage of irrigating grass der the management of our farmers, is wasted and an-

trinsically worth more than the dung, as an efficacions and permanent dressing : and if we take into consideration, that this latter manure is not treated with any skill and judgment, it will not seem surprising, that the culture of white crops has never been carried here to any extent, since we have despised and neglected the only means of creating them."

Management of Bees .-- No. 2.

MR. Colman-I resume the subject of bee management. Few insects or animals furnish more materials for instruction and reflection, than the honey bee. Therefore, why not use our best endeavors in preparing good places for their protection, that the millers and moths may not destroy their works. The blind Hubee was the first to give mankind a history of that industrious creature, (the honey bee) which so much conduces to man's comfort and happiness.

In the management of the honey bee, very much is required of the apiarian to guard against the moths. In order, therefore, to do this, it is highly important that we obtain a good hive for the reception of the bees, and lend our leisure moments in taking care of them. The winter, being so long and cold in this latitude, seems to be a great detriment to the honey bee. In warmer countries it seems nothing to keep bees; it is evident, therefore, that they require warm places in the winter season to have them live and do well the following summer. Some apiarians bury their bees in the winter, and some let them be exposed to the inclemency of the weather. Those that have practiced the former way, have very often been the losers. I do not think it is a good plan to bury bees, because there are other ways than to bury them in the ground better adapted to protect them through the winter. Those persons who keep bees, should build a good bee house, and have it open to the south that the sun may shine occasionally upon them. I know of no better way to protect the honey bee from the winter storms.

About twenty-five years ago bees were kept to good success-it was easy to raise them and have an abundance of the sweets of life. But of late years it is almost impossible to raise bees on account of the moths getting possession of the hive. There are but few farmers in this region of country that keep beca. They think the trouble and expense in taking care of them, is a great deal more than the profit. Some farmers have good and others have poor luck in keeping bees. I do not see any thing in the way to hinder the farmer from keeping bees, if he will only omploy a few leisure mements in taking care of them. I would advise all who keep bees now at present, and intend to keep them for future years, to abandon the old fashioned hive and obtain the patent hive invented by Mr. Weeks. They are, in my opinion, superior to any other hive now in use in the United States.

I think, by using the above hive, bees can be kept as well now as formerly. Why these bives excel all others is, that we can obtain the sweets of life and not kill the bees. It seems a great cruelty to destroy such industrious insects, which conduce so much to human comfort and happiness. In my next I intend to give a more minute detail of the mode in which WST bees can be kept with success.

South Venice, N. Y. 1842.

Slaughtering and Packing.

The following terms we saw offered on an advertisement at a tovern in Monroe Co, and dated at Syracuse. We thought they might have some interest with the farmers:

Prices for killing, packing and inspecting, including barrels, \$1,25. The offol reserved to the packer. Tallow rendered from 7 to 8 cents. Hides from 41 to 51 cents. Freight to New York, from 65 to 80 cents per barrel. For rendering and barrelling tallow, \$1,25. Cattle will be kept free of expense, while killing off the drove. Syracuse, Aug. 15, 1842.

Mediterranean Wheat.

Every thing connected with the Wheat Culture is of immediate and the highest importance to the Farmers of Western New York. This induces us to give an insertion in full of the subjoined correspondence. The parcel of wheat has been duly received and will be placed in bands which will do it full justice. We acknowledge ourselves in this and in many instances, personally and publicly indebted to Mr. Ellsworth, for his distinguished and disinterested efforts for the advancement of the agricultural interests of the country .- Ed.

PATENT OFFICE,

July 20th, 1842.

Sir-I have the honor to transmit a parcel of Mediterranean Wheat, respecting which much has lately been published, and the peculiar qualities of which are described in the accompanying letters from Dr. Smith of Philadelphia, and Mr. Powell, seedsman, in the same city.

l am, most respectfully yours, II. L. ELLSWORTH.

'Fhiladelphia, July 14th, 1842.

Dear Sir-Yours of the 6th instant, came duly to

band, and I should have enswered it sooner, had business and other circumstances permitted.

That veriety of the Mediterranean Wheat which I have sown for several years past, I consider proof agninst the Fly and almost proof against the Rust

For the former, no rational explanation has thus far been given : but the instances have been so numerous where this and the other kinds of Wheat among us bave been sown on adjoining lands in the same field, with cultivation precisely the same—where this has remained untouched by the Fly, producing a heavy erop, and the others almost entirely destroyed, that the most sceptical have no longer any doubts upon the

But that it should so generally escape the mildew we have endeavored to explain from the fact, that it ripens from ten to twelve days carlier, than any wheat now sown in the Middle or Eastern States (as far as my knowledge extends). But that this is a full and satisfactory explanation I am not entirely prepared to believe; for the causes to which we have generally attributed the production of mildew may exist, when this Wheat a susceptible of being acted upon by them, as well as the other kinds.

These causes we understand to be:

That state of the Plant when the grain is fully formed but very soft and milky, the whole energies of the plant directed to its perfection, and the sap vessels all distended.

2. That state of the Atmosphere which tends still farther to distend the vessels; as beavy dews, and fogs and clouds, which obscure the Sun for several hours after his rising.

3. A sudden outbreaking of the Sun, with such power as to rupture the rap vessels of the plant, thereby giving a nidue for the Seeds of the Porusite to take

But be the causes what they may, it is rarely it jured by the Fly or Rust; nor are these oil its advantages over any Wheat among us For it may be sown from the first of September to the middle of October, and upon soil so thin that the farmer would not think of sowing any other kind of Wheat, and yet produce n fur crop.

I bave sown it for two years, after a crop of corn and potatoes had been taken from the ground, and fully believe, that the yield after the potatoes, was up words of thirty bushels to the acre.

If sown early, one and a halt bushels per acre will be enough, but if not sown till in October, at least

two bushels should be sown.

Now although the straw is so soft that it will most certainly fall in rich ground, still it ripens well, even should the timothy grow up through it and hide it from view. And although the grain is not so white and mellow, as some other varieties of Whest, still, that it will produce more superfine flour to the for a given number of years than any other Wheat now extant, I feel no besitation in asserting.

I shall be able to supply ony moderate quantity in time for sowing, delivered at any place to be mention ed in Philadelphia.

With sentimen's of regard,

I remain your friend MOSES B. SMITH.

Hon. H. L. Ellsworth, Commissioner of Patents.

Philadelphia, July 14th, 1842. II. L. Ellsworth, Esq.-

Deor Sir-So far as heard from, the Mediterranean Wheat grows more in favoras it becomes better known, Mr White, formerly a merchant of our city, stated to me lest fall, that he had tested side by side with two or three others, and that this was the only one escaped Rust, Fly, &c. It is an early Wheat, adapts itself to the generality of soil, but especially to light and and as it becomes acclimated assumes more the cast of our Orange Wheat. I find a concurring opinion from many neighborhoods, that the Mediterranean Wheat this season, exceeds by great odds, all other varieties. I can supply a clean good article, as per sample, at \$1,75 per bushel. Very respectfully,

M. S. POWELL, 23 Market street.

Silk Machine.

Dr. A. K. Spaulding, of Maumee, Ohio, writes, that he has a Silk Machine far superior to any spparatus to be found elsewhere. That it-I. Secures the most perfect ventilation to the

worm in all its stages. 2. It enables the feeder to change them with great

rapidity, even a hundred thousand per hour.

3. It furnishes the most complete winding cham-

bers, exactly suited to the wishes of the worm.

The cocoons can be gathered from these chambers 500 per cent faster than from any other known, saving all the floss perfectly clean.

It may be adapted to a room of any size, and may be used in any spare room or parlonr without innrv.

It can be made by any one who can use a handenw and hammer, and at an expense little more than that of plain shelves-being the most simple and most economical as well as the best method of fitting up a cocooncry, ever yet invented, either in Europe or America.

He adds-

"A letter enclosing one dollar current in New York and Boston, free of expense to the proprietor, shall be answered, and enclose a perfect drawing and description so perfectly plain that it may be understood by any one who can read the description-and twenty five dollars enclosed as above shall entitle the payer or payers to five rights, or the right to the county in which they live. Single rights ten dollars, and a per-

We confess we are anxious to know comething more of this invention; and when we shall have become better acquainted with its merits, will inform our readers of the same.

Indian Corn.

When David Thomas travelled through Indiana in 1818, he visited a prairie near Vincennes on which a luxuriant crop of Indian corn had grown for more than sixty years in succession, without the aid of any kind of manure. He was then of opinion if I mistake not. that the soil contained a mineral substance which contributed to the inorganic structure of the plant; performing at the same time the office of collecting by chemical attraction the carbon and ammonia of the atmosphere, to nourish the organic development of the

When travelling along the alluvial flats of the Cuyahoga in 1828, I noticed that each stalk in a hill of corn produced one large car and sometimes two cars; I have every year since tried, by high manuring, to produce the same result in my garden, but without success until the present season. I could always produce stalks as thrifty and large as the river bettom, but the ears did not set or fill to the same extent. I attribute my success this year to the accidental combination of a just proportion of heat and moisture at the time when the pollen was distributed; this happy combination nightly takes place on the river bottoms, and perhaps. also, on the upland prairies near the Wabash at Vincennes, by the aid of the heavy night dews and river fogs almost unknown in this region, at least to the sa ne extent of aqueous profusion, as it exhibits on the bottoms and prairies of the great South West.

But apropos of mineral or inorganic manures, it is now well known that wood ashes contains about eleven different incombustible substances in greater or less

quantities, all of which must be sufficiently component in the soil, before the perfect developement of vegctable growth, and the full maximum of cereal maturity can be produced in the plant; vegetable manures undoubtedly supply all these substances, but they are not sufficiently concentrated or administered in sufficient quantities, to do any thing more than to produce during its decomposition (which in worm lands hardly reaches beyond two or three crops,) the maximum

May we not, therefore, infer that the cause of the perpetual fertility of Vincennes Prairie, is the great abundance of decomposed vegetable matter there found, not in the usual form or deposit of semi vegetable decomposition to be diminished or exhausted by a few years cropping, but in comething like the more condensed and indestructible form of wood ashes? I have often wished that we had in our country more analytical skill and enthusiasm in the cause of agricultural chemistry, in order that the theory of mineral manures might be better understood. The learned and indefatigable Sprengel, supported by the opinion of Liel ig, has shown incontestibly that plants have inorganic parts which must be fed and grown by the aid of inorganic or incombustible food, that they "must have mineral food as well as vegetable food." These learned authors have faithfully exploded the old physiological doctrine about the essential nature of vegetable matter, their chemical analysis goes to prove that 'all plants have two essential parts, an organic and an inorganie part." S. W.

Waterl. o. Sept. 8th. 1812.

The Prospect of Prices .- The New Tariff.

Firmers should not be discouraged at the present low prices for their products. If our agricultural staples are low, all other commodities are low or will be low in proportion. Besides when prices are low the export of our surplus productions is then the most active. In 1"34 the crops were good in England, yet owing to the extreme low prices of flour in the United States, more was exported from this country in that year, than in any one year since that time! It is prohable that the wheat crop in Great Britain will be abun. dant this sesson. Still as soon as the price in New York falls much below \$5, an active export of that article will commence even to England, not perhapa to be consumed there, but to be sold in hond, out of which large quantities are taken for exportation to foreign British ports, and colonies in the Mediterranesn, and in the East and West Indies.

Since the reduction of duties under the new Britich Turiff, our export trade to England has very much increased. Our packet ships to London and Liverpool now go out full freighted with our agricultural productions, including naval stores and pot ashes, the duties on which are reduced very materially under the Thirst wan

Thus we see that the late fall in the price of our great western staple, Flour, so far from being a columity to the farmer, has had the effect to clear the market by creating on export demand, which, while it gives activity to the market at home, also pays our foreign debt, or brings back an equivalent in speeie. commedities, or credits.

In 1838 our Flour Factors in New York were sided by the Banks to monopolize the flour market and prevent on export at \$3 the barrel, which was offered for shipment to Great Britain ; the result was that England got her supply from the continent, and the flour which might have been sold at \$8 the barrel, fell below \$6. In New York, Factors. Millers and Banks were rained; many farmers were rained, not directly by the high prices they received for their products, but indirectly by the manis for speculation, and extravagant living which these high prices induced.

The protective tariff bill recently passed by Congress, is doubtless looked to by high tariff advocates, as the certain harbinger of a prosperous tade to the nation. I wish I could view all its prohibitory provisions with that eye of faith, which enables the friends of restrictive law to look beyond the simple laws of trade, for that mysterious accumulation of wealth, which is based upon buying and selling to each other, at prices sufficiently high to chest both parties into the belief that they are growing rich.

Waterloo, 1842.

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For the Now Genesee Farmer.

MR. EDITOR-In your paper of the last month, I otice some remarks in relation to drinks and the roper times of drinking. The following article, rom the writings of a celebrated Physiologist being in oint, I have transcribed for your paper, if you think roper to publish it.

Times of Drinking.

If man were as simple and as true to the laws and nstincts of his nature as the lower animals, it would be of comparatively little importance at what time he frank, so that it was always in obedience to the truly netinctive demand of his vital economy. But in cive life, where many causes are co-operating to depress he physiological powers of the buman body, and paricularly to debilitate the digestive organs, it becomes of much importance that the times of drinking should be properly regulated. In regard to alimentation, we have seen that the best interests of the system require that the food should be perfectly masticated, and mixed with the salivery fluid before it is swallowed. We have seen also, that when the food is received into the gastric cavity in a proper condition, the atomach secretes a solvent fluid, which by the muscular action of the organ, is thoroughly mixed with the food for the purpose of digestion; and that when the food is received in a fluid state, containing considerable aqueous matter, the water is first absorbed and than the gastric secretion and digestion commences; hacause if the gastric juice were to mix with the water, it would be so much diluted that its solvent power would be wholly destroyed. Hence, if in the midst of a meal, or after a meal is completed, a portion of water or other drink is received into a vigorous stomach, and more particularly if true thirst is felt, the organ suddenly and powerfully contracts upon the food and presses it into the pyloric or small end, and by the contraction of a number of the circular fibres of the muscular coat, which gives the stomach somewhat of the appearance of an hour-glass, the food is held there till the fluid, which is received into the splenic or large end, is absorbed, - which is done as rapidly as possible, and then the circular fibres relax and the regular function of the stomach goes on, with little interruption or embarrassment. But if instead of properly chewing our food, and mixing it with the fluid of the mouth, we continually wash it down with some liquid, or between every two or three mouthfuls of food, take a small portion of drink, the fluid and solid ingesta are so thoroughly mixed together that the process of digestion cannot commence till the meal is completed and all the liquid removed by absorption; and this leaves the alimentary contents of the gastric cavity much more dry and compact than if no drink had been taken; and then we greatly retard and embarrass the function of the stomach, and serva to debilitate, relax and break down that organ. Yet while the stomach continues to be vigorous and active all this may be done without any appreciable symptoms of gastric embarrassment; but never without more or less real detriment to the organ and its function. In that state of gastric debility, however, which is almost universal in civic life, the case is very different; the fluid received into the stomach during the ingestion of food, is very slowly and with great difficulty absorbed; and if the food, with little mastication and insalivation, is continually washed down with some kind of drink, the process of digestion, instead of commencing immediately, as it ought to do, will be delayed for half an hour or an hour, and sometimes even longer, till the relaxed and debilitated absorbents can remove the fluid and bring the food into a consistence proper for the action of the gastric juice; and now the food, instead of being properly mixed with the saliva, and thoroughly saturated with healthy

gastric juice as it came into the stomach, mouthful by mouthful, lice in an oppressive and almost impenetrablo mass, and the already wearieg organ muct, if possible, in its reluxation and lassitude, secrete a sufficient quantity of solvent fluid to digest it. But in this state the atomsch is pearly fitted to accrete a healthy and energetic fluid; and, therefore, it is not surprising that under each embarrassments the vital powers of the debilitated and worried organ, are not able to control the inorganic affinities, but suffer them to become active in the formation of gasses and acids, which by their aerid and irritating properties, create a morbid and intense thirst, which vehemently asks for some liquid to dilute those acid substances and almost irresistibly compele us to drink. If, however, in this state of things, we yield to the morbid demand, and take a quantity of water or any other liquid into the gastric cavity, the feeble organ cannot, like the vigorous stomach, contract upon its contents, and save them from the inundation; but the flood will come down and sweep over the entire mass, and reduce it to a more unmanageable wash than it was at first; and then will follow a distressing sense of distension, attended frequently with ernctations and belching, and often a part of the crude contents of the stomach, are spasmodically thrown up, and a part perhaps ejected into the intestines to produce irritations, flatulence, colic, &c. This is a true description of what every day takes place in civic life, in hundreds of individuale; and if all who indulge in the mischievous practice of washing down their food with liquids of any kind, do not experience all these evil consequences, they may be assured the practice always tends to such

If the use of even pure cold water with our food in the manner I have described, is incompatible with the physiological interests of our bodics, and the cause of functional disturbance and organic debility, much more is that water objectionable when it is habitually used hot, for the same purpose and in the same manner. As with our food so with our drink, every thing taken into the mouth and atomach in a higher temperature than our blood, is relaxing and debilitating to the parts on which it acts, and through them to the whole system. The teeth and every other organ and part in the oral cavity, are injured by hot drinks; the throat and osophagus and etomach are rclaxed and debilitated by them. In short, as we have scen, every part of the system is in some measure relaxed and debilitated and rendered more liable to discase, by the dietotic use of any thing in an elevated temperature; and if, instead of hot water or milk and water, we use ton or coffee or chocolate or any other made boverage, the mischievous effects on our digostive organs are still greater, and always in proportion as the qualities of those beverages are more or less unfriendly to the vital powers of our bodies. Tea and coffee and wine and all other narcotic and alcoholic beverages are exceedingly deleterious, but as I shall have occasion to speak of them more particularly in another place, it is not necessary to say more concerning them now.

On the whole then, in regard to the drink of man. it were best, and most truly natural, if his dietetic and other habits were such that the demand of his vital economy for water, were fully answered by the aqueous juices of the fruits and vegetables which properly composed a portion of his food. But if he must have drink, every law and property of his nature unequivocally declares that it should be the most perfectly pure water; and that he should not drink it warmer than his blood; and as a general rule, it is better that it should be considerably cooler. It can be too cold, but with people in health and of good habits there is very little danger in this direction. It is also, the 18th and 19th of October.

fully evident that as a general rule, drink should not be taken with the food, nor too soon after esting. It is far better, if one is thirsty, to take a draught of pure cold water soma twenty or thirty minutes before estng, or three or four hours after the meal; and they who are regular in their habits can regulate their thirst with perfect ease and comfort. An individual whose dictotic habits are tolerably correct, may soon accustom himself to take a glass of water in the evening or morning, or any other hour in the day he cheeses, and only at that hour; end he will feel his thirst return regularly at that period, and never trouble him at any other time, unless occasioned by something extraordinary. They who are tormented by a morbid thires produced by gostric irritation from too much or from improper food, had for better take active exercise in the open air, than drink. The cool fresh air upon their skin will greatly abate the fever of their stomach, and thus alleviate their thirst; and exercise will increase the action of the stomach and enable it to digest or to reject its contents; and then let them bi more careful to avoid transgression.

Statistics of Vegetable and Animal Life.

Botanists record 56,000 species of various plants-38,000 are to be found in catalogues. Humbolt makes the species of inaccts 44,000, of fishes 2,500, of repiles 700, of birds 4,000, and of mammiferous enlmals 5,000.

Important Notice.

There is a large amount due us from Post Mesters and Agenta in the Western States and elsewhere, mostly in small sums it is true, but our whole resources depend on such small sums, and therefore we hope no one will delay sending on that account.

If One word to our friends .- We have a large supply of back numbers of the current volume on hand, which ought to be in the hands of subscribers. Will you not help us-would you not be doing your neighbora as well as ourselves a real kindness, by soliciting them to subscribe? The currency is now coneiderably improved, and bills of most of the states will answer for remittances PUBLISHERS.

Cattle Shows, Fairs, and Ploughing Matches.

We subjoin a notice of the times of holding the several Agricultural Fairs, which come within our knowledge, within the district where our paper principally circulates, and shall keep it in until the times arrive. We shall be obliged to the Secretaries of the different Agricultural Societies in New York, Ohio. New England and Canada, if they will give us (post paid) the notices of their respective fairs.

i	New York	State	Fair,	, Albany,	Sept.	28 and	29.
r	Monroe C	ounty	6.6	Rochester,	Oct.	25 and	26.
•	Ontario	"	66	Canandaigue	. Oct.	18 and	19
١	Geneses	"	64	Batavia,	Oct.	20 and	21.
٠	Wayne	"	**	Palmyra,	Oct.	5 and	6.
1	Livingstor	"	64	Geneseo,	Oct.	4 and	5.
۱,	Oneida	"	"	Rome,	Oct.	11 and	12.
IJ	Seneca	"	"	Waterloo,	Oct.	20 and	21.
١ļ	Tompkins	66	"	Ithaca,	Oct.	6 and	7.
١.	Onondaga	46	16	Syracuse,	Oct.	5 and	6.
ł	Jefferson	66	44	Watertown,	Sept.	15.	
١.	Cayuga	66	"	Auburn,	Oct.	12 and	13.
:	Oswego	"		Oswego,	Oct.	5.	
۱,	Erie	4	"	Buffalo,	Oct.	5th &	6th
١,	Chemung	4.6	"	Fairport,	Oc1.	19th.	
	Niagara	44	6.6	Lockport,	Oct.	18 and	16.
1	Washingto	n	"	Salem,	Oct.	11th.	
1	-		- (ANADA			

Durham, Bowmanville, Oct. 18. Northumberland, Grafton, Oct. 12th

Postponement .- On account of the aession of the Circuit Court in Canandaigua at the time first appointed for the Show and Fair of the Ontario Agricultural Society, the Show and Fair are postponed by the Executive Committee to Tuesday and Wednesday,

Set (

Advantages of Law.

A young man who studied law in Connecticut, become acquainted with the following facts, which are certainly very remarkable, though not so singular. A farmer cut down a tree which stood so near the boundary line of his farm, that it was doubtful whether it belonged to him or his neighbor. That neighbor claimed the tree, and prosecuted the man who cut it for The case was continued from court to damages. The case was continued from court to court. Time was wasted, temper soured, and friendship lost; but the case was gained by the prosecutor. The last my friend knew of the transaction, the man who "got the case" came to the lawyer's office to execute a deed of his whole farm, which he had been obliged to sell to pay cost! Then, houseless and bomeless, he could thrust his hand into his empty pocket, and triumphantly exclaim, "I've beat him! -Selected.

FRUIT TREES.

Of Excellent and Proved Varieties

IN addition to the list of Peaches given in the last number of the New Genesec Farmer, the subscribers bave for sale the following select varieties of the Cherry: viz: - Black Tattarian, White Tartarian, Early Richmond, Black Corone, Mayduke, Transparent Guigne, and Carnation. The trees are of large size, and of uncommonly handsome growth, price 50 cents each.

Necturines, two excellent varieties, the Early Violet and Elruge, price 25 cents each.

Apricots, three very fine varieties, the Breda, Early Peach, and Peach apricot: 371 cents each.

Pears, six excellent varieties, Madeline, Skinless, Julienne, Summer Bonchretien (or September,) Seckel, and Virgalieu; 37 2 cents each.

Apples, consisting chiefly of select summer and su tumn table fruit, and a few winter apples, of the fol-lowing varieties; Yellow Harvest, Woolman's Ently, Sine Qua Non, Buffington's Early, Strawberry, Rambo, Bellflower, Tallman Sweeting, Swaar. Price 25 cents each.

The object of the proprietors has been to reduce their last to a few of the very finest kinds, and none are ever offered for sale by them but PROVED VARIETIES whose adaptation to our climate has been fully tested by experience

Catalogues, with practical directions, furnished gratis at the Rochester Seed Store, or on postpaid applications.

J. J. THOMAS.

W. R. SMITH.

Macedon, 10 mo. 1st, 1942.

M. B. B. TEHAM respectfully informs his friends and set distributes that he has disposed of his business, and is distrous of leaving this place soon for the benefit of his little he therefore carnessly solicits all who are indebted to him to make immedia's payment, in order that he may be enabled to " Do no to others," &c. The busine's of the Ro bester Seel Store will be contin-

ued by C. F. Crosman, whose experience in the business and facilities for growing Seed, entitles him to the confidence and patronage of the public.

M. B. BATEHAM.

TT Mr. Henry Colman will continue the Genesec Far-

ROCHESTER SEED STORE AND SEED GARDEN.

NEW ARBANGEVENT—CF Grosman linving pur-lensed the entire lundness and effects of the Rochester Seel Sture desires to inform the Agents and Customers, and all who may wish to part use the establishment, that he is now bringing in from his large Seel Garden on Money et al., and the control of such seeds as are best rais-tice, a complete assurtment of such seeds as are best raisstreet, a complete assistance of such seeds as are best raise. In this churact, and he will import from the first sections in Europe an I elsewhere, such kinds as the Letter raised in other efficiency of the control ry to the public Roche ter, Oct. 1.

C. F. CROSMAN.

SALE OF DURHAM SHORT HORNS IN CANADA.

CANADA.

THE Subscribers propose to act by public sa'e, in Duntled Jos. [Plandror. West] on Saturday, Oct ber 15 being he day of the force Bistrick Agricultural Show, a valuable lot of thorough bred DURH M BULLS. The animals are harly gent, and of fine symmetry, and correct Herd Book Pedigrees will be furnished. Their ages vary from fourteen mon bis to four year and. Bree less are reminded that this is a rare opportunity of obtaining dentine stock.

Te ms far and therad. Basy water conveyance from Dunday. Sale to commence at 15 disk flowlitt.

ADAM PERGUSSON.

Sa ne day and place Mr. Howitt will expose a large arther the conveyance of RAM LAMBS, pute Lecesters, continuous and Cross. Also, six valuable Caives, one a year of the continuous and Cross. Also, six valuable Caives, one a year of the continuous and cross.

MOUNT HOPE GARDEN & NURSERIES. ROCHESTER, NEW-YORK.

ROCHESTER, NEW-YORK,
THE Proprietors of this Establishment offer for sale a general assortment of Nursery articles, comprising Fruit and Ornamental Trees, Flowering Fishes, Herbaccous Plents, Tulips, Hyacinths, and other Bulbons Flower Roots, Double Dahlins, &c. &c.
They have also on hand a large and face collection of Green and Hot House Plants, including Geraniums, Chinese Monthly Roses, Camelia, Japonica, Chinese Azaleas,

nese Monthly Roses, Camellia, Japonica, Chinese Azalcas, Cape Basmines, Cattiese, &c. &c.
Orders for any of the above articles, whether large or small, will be promptly and finifirally executed, andebarges in all cases will be very moderate. Persons ordering from a distance may rely on having their articles security packed and marked and shipped as their orders may designate. To such persons as are about forming new establishments or the many with the dispose of Trees, Shrubs, Plants, &c.
in the one of the control of the cont

is their neighborhood, our terms will be very liberal.

Gardens and Pleasure grounds will be laid out in any part
of the country, and which gardeners farmished on reasons,
the business will be cheerfully and prompty imparted.

It is expected that persons unacquainted with the propriet
or will either accompany their orders with a remittance or
name a guarantee in the city of Reenester or vicinity.

ELLWANGER & BARRY.

Ro hester, Oct. 1, 1842.

N. B. Our Fruit Trees comprise the most desirable early and late varieties, and the utmost care has been taken in propagating from such trees only as were in a hearing state and whose qualities have been sufficiently tested. Priced Catalogues will be forwarded gratis to all applicants

COTSWOLD SHEEP.

AND OTHER FINE STOCK, FOR SALE.

THE Selective offers for sale his full blood Cotswold.

THE Selective offers for sale his full blood Cotswold.

The selective offers for sale his full blood Cotswold.

The selective offers for sale his full blood cotswold.

The selective offers for sale and selective of the selective blood.

These animals will be sold on the most favorable terms—at prices according to the times. If not previously disposed of they will be exhibited and offered for sale at the Cottle Show and Fair at Rochester on Tuesday, the 25th of October.

WM. C. CORNELL.

Henrietta. Sept. 21, 1842.

er. Henrietta, Sept. 21, 1842.

10,000 PEACH TREES,

FOR sale by the subscribers at their Nursery, (near Macedonville on the Eric Conal,) all of which have been propagated from BEARING TREES, whose genuineness propagated on AAANN THEES, who had not necessary propagated from the AANNN THEES, who genumeness are represented in the propagate of the propa

days later than the preceding.

EARLY YORK-large sweet and rich; a fruit of the highest

character.

White Buseriant—large, white with a red check, sweet, judy and nething, a most excelent peach, obtained probably from the celebrated Noblesse, which it excels. Vertow Arracare—fruit rather large, one of the finest yellow peaches—be irs well and white young. Scanoct's—fruit tage, red, of first rate excellence. Red Chief Markorton—fruit rather large, bee unful, of fine flavor, ranks as first rate among ye low peaches—lears Hint, 25 (mass—a very large, fine, yellow peach.
LATE VORK—an excellent treestone peach, except in unfavorable seasons.

vorable seasons. HEATH Clang-foult when not crow ed, and in favorable seasons very large, often three inches in diameter, sweet and excellent Orders directed *Thomas & Smith, Macedon, Wayne Co.,

Orders directed *Thomas & Smith, Macedon, Wayne Co. N. Y. *w 1 he promptly and f tithful y attended to and the trees, seniely packed, sent by the Eric Can 4, or by the Auburn and Rochester Rail R and J. J. THOMAS* Macedon 9th no. 1, 1842. W. R. *SMITH.

PLOUGHS.

A NE.W AND SUPERIOR KIND OF PLOUGHS, may be purchased at the Rochester Logic Furnace, price \$6 and \$7 each. Wood and other produce taken in exchange.

BUFFALO NURSERY.

BUFFALO NURSERY.

THE stock now on hard for site is much larger than at any former period, enture ag a large collection of the most valuable kinds of the Apple, Four Peach Punn Chermony valuable kinds of the Apple, Four Peach Punn Chermony valuable kinds of the Apple, Four Peach Punn Chermony valuable kinds of the Apple, Four Peach Punn Chermony valuable kinds of the Apple, Four Peach Pe



ISABELLA GRAPE VINES,

ISABELLA GRAPE VINES,

OF proper age for forming viney-rise, propagated from and
contaming all the good qualities which the most improved cultivation for over ten years has conferred on the
vineyards at Croton Point, are now offered to the public.
Fhose who nay purchase will receive such instructions as
will enable them to cuttivate the Grape with entire success,
(provided their tlocatiy is not too far North). All communications, nost paid, addressed to R. T. UNDERHILL, w. D.

OB Boodlway, N. Y., will receive attention. He feels
quite confident that he has so far ameliorated the character
and habits of the grape vines in his vineyards and nurseries, by improved cultivation, pruning, &c., that they will
generally rigen well and produce good fruit when plauted
in most of the Northern, all the Western, Middle and Southern States. Oct. 1.

Oct. 1.

Oct. 2. ern States.

ROCHESTER PRICES CURRENT.

2100122012	-
Corrected for the New Genesee Farmer, Octob	er 4.
WHEAT,per bushel,\$ 75 a \$	78
CORN, " 38	44
DATS, " 19	
BARLEY, " 38	
RYE, 44	50
BEANS, White, " 75	88
POTATOES, " 15	18
APPLES, Desert, " 19	25
FLOUR, Superfine, per bbl 3,75	4,00
" Fine, " 3,00	
SALT,	
PORK, Mess, " 8,00	8,50
" per 100 lbs	3,00
BEEF, per 100 lbs 2,50	3,00
POULTRY,per lb 5 EGGS,per dozen, 8	6
Etitis,	10
BUTTER, Fresh per pound 10 Firkin, " 8	12 <u>1</u>
	6
CHEESE,	8
TALLOW, Clear, " 8	0
HIDES, Green " 4	4 }
PEARL ASHES, 100 lbs. 5,00	43
POT, " " . 4,75	
WOOL,pound, 20	25
HAY, ton, 6,00	
GRASS SEED,bushel, 1,00	1.25
CLOVER SEED, " 5,50	6,00
NEW YORK MARKET, Sept. 30.	-,,-
MEN TORK MARKET, Sept. 50.	

Flour droops still; there is a good demand, but a still better supply. Genesee has sold to the extent of several thousand barrels, at \$4,50; some Ohio at \$4,50, but ather parcels at \$4,44, and one at \$4,37\$; 300 bbls. Troy sold at \$4,37\$; 1500 bu, good Indiana Whent brough in small parcels 94 a 95c; flat Corn is worth 56c wt.; Northern Rve delivered, 59c. sales; Oats are cheaper, say 28 a 29c for esnal, and one or two sales at 27c.

Sales of Ashes are \$5,50 for Pots, and \$5,75 for Penrla

Chicago, Sept. 27th.—Large sales of Wheat were made at 53 to 54 ets. cash. Flour, 3,25 to 3,50. Corn, 23 ets. Oats, 15 ets.

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PRINTED FOR THE PROPRIETOR, M. B. BATEHAM,

By Heary O'Reilly and John I. Reilly, Rook and Job Printers, and Publishers of the "Rochester Evening Post" and "Western New-Vorker."

M. B. BATEHAM, Proprietor. VOL. 3.

ROCHESTER, NOVEMBER, 1842.

NO. 11. HENRY COLMAN, Editor.

PUBLISHED MONTHLY.

TERMS.

FIFTY CENTS, per year, payable always in advance. Post Musicers, Agents, and others, sending current mony frea of instage, will receive seeke nopies for 83.—Theretopies for 85.—Theretopies for 85.—Theretopies for 80.

The postage of this paper is only one cent to any place.

The postage of this paper is only one cent to any place rithin this state, and one and a hulf cents to any part of Address M. B. BATEHAM or H. COLMAN, Rochester

PROSPECTUS.

The subscriber announced himself in the last number of the New Genesee Farmer as the sole proprietor and editor of this paper, after the first of January ensuing. He renews this sunouncement; and sake the aid of his friends and the agricultural community in sustaining the paper as far as they can conscientiously render that sid; and he will respectfully and gratefully acknowledge every such service.

The paper will be so newhat enlarged; and if suitable encouragement is given, in all respects essen tially improved. He has made arrangements to enlarge his correspondence extensively at home and abroad; and pledges himself that no pains shall be apared to render the paper worthy of support in its matter and execution. He can promise no more than

The price of the paper will be one dollar in advanca by the year. Six copies will be sent for every five dollars; ten copies for eight dollars, and fifty copies for thirty-seven and a balf dollars, paid in good current money. Gentlemen who have heretofore acted as agents are requested to continue their agency. Postmusters are universally found courteous anough to transmit names and subscription money free of expense. Other arrangements as soon as completed and the names of special agents will be announced in the December number. It is carnestly requested that returns should be made early, that the number of copies to be printed may be ascertained .---The universal complaint is that the times are hard ; but the productions of the press, even in times infinitely harder than the present, were never half so cheap as now. The farmer now gets his political paper and two or three agricultural papers for less than what one respectable political paper or general magazine used to cost. The times must indeed be hard, when the farmer cannot afford the miserable pittance, which he may save in innumerable ways, required to obtain that information, which may increase his products a hundred fold; to say nothing of the setisfaction and improvement to himself and family from knowing what others are about, and witnessing the general progress of knowledge and the arts. What the temperate farmer now saves year after year in the expense of spirituous liquor only for his having, to say nothing of other expenses and losses connected with its use, to which he was formerly subjected, will pay five times over for his agricultural paper, and leave enough to buy eight or ten useful volumes besides for the winer reading of his wife and daughters. When we go into our farmers' houses and see their loaded tables and their comfortable and luxurious clothing and fur-

niture, and hear them talk of lard times, we are constrained to ask ourselves, whether this is the English language which is spoken, for under what sky, in what country, and at what period, were men ever in a condition of more substantial comfort and independ ence. If they are but just to themselves and to their advantages, no change of times or of prices can seriously effect their prosperity.

In truth we see but one single circumstance, that should hinder every farmer in the country from subscribing at once for the Genesee Farmer ; and that is Millers' doctrine that the world is to come to an end next summer. But even Millers' disciples are very anxious to get aubscribers at a dollar per head for the " Second Advent Journal" which is now published periodically in Boston, the' we are quite at a loss to know what they are to do with the money, unless as the Romans believed, there is some ferrisge to pay for themselves and other friends before they can get into the Elysian fields. But besides we have been informed by one of their Chief Priests that it is not settled that the prediction is certainly to be fulfilled in April, but probably some time in the course of the next year; so that the farmers will stand a fair change of getting for their dollar aix or eight months good agricultural reading at any rate, besides the antisfaction and merit of contributing to the good cause of agriculture and of belping a poor Editor, who has borne the heat and toil of more than forty years in their service.

Farmers ! then we expect you to honor the noblest of all arts, by which you live ; and to give us a fair and public-spirited support; and we promise to do our best to deserve it. "Do not muzzle the ox that treedeth out the corn." Do not be too impatient to get a crown in one hand before you let a dollar go out of the other. The welfare, character, and happiness of millions yet unborn may depend on the efforts we now make; and your co-operation that those efforts may be successful. Let us early and late sow the precious seeds of knowledge, wisdom, and virtue and " the Lord of the Harvest will give the increase."

HENRY COLMAN.

Rochester, 1st Nov , 1842.

N. B. Mr. M. B. Batcham proposes to pass the winter in Obio and the South Western States, and will act as Agent for this paper--we anticipate likewise the advantage and pleasure of his regular correspondence for the paper.

Mr. C. F. Crosman, of Rochester, is an anthorized Agent for this paper. Mr. C. having taken the Seed Store in the Arcade, recently occupied by Mr. Batcham, designs to render the Establishment complete in all its departments. His skill in raising and managing seeds is well known, and his honor and integrity undoubted.

NOTICE.

The Address delivered before the Monroe County Agricultural Society, by H. Colman, together with the Constitution and list of officers and members of the Society, and the reports of the awarding committees, will be published in pamphlet form, for distribution, as soon as they can be prepared.

By order of the Executive Committee.

MRR

METEOROLOGICAL OBSERVATIONS.

MADE AT THE ROCHESTER COLLEGIATE INSTITUTE BY L. WETHERELL, OCTOBER, 1842.

	Tuc	rmoni	rter.	t 1	Winds	s.	Weat	her.	
Date.	Sunrise.	Jo'clock, P.M.	=	Menn.	A. M.	P. M.	A. M.	P. M.	Rain Gage
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9	50	49	46	46.5	NE	NNW		rain	.87
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17	42	- 54	44	46.83	N W		fair	tair	.08
18	43	46	40	42.33		N W		rain	.31
19	39	46	41	41.66					
20	37	45	38	39.66	N W	NW		fair	.04
21	35	53	44	45 83	/A	w	fnir	fair	ļ
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23	40	50	40	44.	N W	N W		fair	.12
24	44	67	57	56.83	1 3	В	fair	rain	
25	47	52	46	46.16	e w	w	rain	fair	ı
- 8	nin C	lange	for	Sept	1	842.	5.1	9 inc	h.

Gauge 44 ,, 1841. 6.14 " 1840. 2.81 Mean Temperature of " 1842. 58.04 deg. " 11 1841. 26,96 1840, 57,44 "

Remarks on the Weather from September 26th to October 25th.

Sept. 28th, rained a little at night; fair to the end of the month.

October, from Oct. eighth; the eighth menth of the primitive Roman year. The tenth month of the year in our calendar.

This month has been mild and pleasant. Mean temperature first half 51,13 degrees. Severe front on the morning of the 6th.

Oct. 15th, cloudy with little rain; not much wind; but there was a severe gale on Lake Ontario, thre' the day and evening. It has been remarked by those who know, that the Lakes have been " uncommonly rough" this season.

It is remarked by observers, that there are many strong indications of a severa winter.

There arrived at Buffalo on the 10th ult., seven steumers, 5 brigs, 15 schooners, and 1 aloop. These brought a large quantity of produce, among which are 12,471 barrels of flour, and 51,886 bushels of wheat.

SCIENTIFIC AGRICULTURE.

Extracts from an Address Before the Mussachusetts Hortzenltural Society, at their Fourteenth Anniversary, by

J. E. TISCHEMACHER.

This Address is in all respect so benutiful and admirable, that we know we shall do a kindness to lay it before our readers :

I congratulate you that we again meet to give countenance and support to a pursuit which, at the present day, interests and is the delight of the whole civil zed world. Yes, wherever a ray of civilization sheds its lustre on this carth, one of the bennes of that ray is Horticulture; it forms the charm of the lesure hour of the highest, the wisest, the best; it is the healthy occupation of the humble, and the industrious.

Absorbed in the cultivation of his favorite flowers, his patch of vegetables, or his orchard of fruits, the poor man envies not the wealthy, nor is his sane and well-braced mind disturbed by the diseased and empty

dreams of the ambitious.

So thoroughly convinced am I that indulgence in these pureunts carries in its train content and chierfulness, those sure signs of health, both of body and mind, and induces that position of the heart which embles one to view, without envy, without desire. the palace of the prince or the luxuries of the rich, that wherever it shall please a kind Providence to allot me n station, there will I to my latest day advocare the cause, encourage the dissemination, and strive for the improvement of Horticultuje, with all the powers

entrusted to my charge.

How happ; for millions had Horticulture, with its refinements, been in former times more universally disseminated amongst mankind. What would have been the pages of the history of South America, from its discovery to this day, had Pizarro, and the ministers of religion who accompanied hun, associated the cross which they bore in one hand, with the spade, the rake, and the pruning kmfe, instead of the lance, the sword, and the gun, in the other ? How different would have been the existence and fate of the whole generations of natives, who passed lives of misery, and were finally exterminated—how different would be, at this day, the face of the immeasurable plains, the far stretched forests, in such a heavenly elimate! Her history would have been one of pence and prosperity, instead of one of blood and desolation; her plains would have been covered and adorned with swarms of happy and industrious races, by whom the names and the memory of these discoverers & civilizers would have been venerated & beld sacred, like that of Mango Capac, who in ancient times introduced the simplest acts of peace among them, instead of being held in that atter execution which has at length resulted in their total expulsion with shaine from the country.

Horticulture may be emphatically named as one of the arts which exhibit most prominently the peace and prosperity of a nation, and should certainly be upheld by all to whom these happy results of human icason

and divine religion are dear.

I have read in an English agricultural periodical. otherwise of some eminence, several arguments urged rather vehemently against Horticultural and Floricultural Societies, and their exhibitions of fruits and flowers for prizes. These arguments are chiefly based on the ill-will, the evil disposition or trickery, which sometimes exists amongst the competitors or judges, As if tais evil could be entirely avoided in emulation or competition for any thing on earth, whether for a dablia prize or for a throne; as if the ill-will engen dered by these exhibitions among the few, could be at all placed in comparison with the pleasure they impart to the many, or with the encouragement they afford to a healthy and delightful occupation. The solidity of such objections stands shout in the same rank as those to reading and writing, on account of the torgeries now and then committed.

There is, however, much higher ground at the present day, for congratulation to the lovers of the

cause whose advance we here signalize. It is the rank to which Horticulture has recently

nttained as a science. It is no longer a mere crude mass of gardness' cerets for propagating or growing certain plants, of nostroms and recipes for destroying insects and cleansing trees; it has become the constantly improving art of applying scientific, rational and well-digested principles, to perfect the cultivation of the vegetable kingdom; it has suddenly almost become a subject of delightful and interesting investigation for scientific men of the most refined at tainments.

I am far, however, from despising these secrets, these nostrums; they have frequently resulted from

the close observation of men of most excellent judgment, men who will be the first to accept the aid of sen nee to strengthen their reasoning powers and guide their judgment. I only rejoice that neither the facts themselves, nor the principles on which they are founded, will any longer remain secret; they will henceforward be made known and commented on Ly those accustomed to study and to trace carefully the minute operations of nature, to reason and reflect on ench new appearance, and to exert a litheir acuteness in tracing its cause to the statest verge of Lumina knowledge. And there clear and simple principles, on which all improvements are grounded, must have forward be described in such plain and intelligible language as will guide those, who, without these bubats of study and observation, pursue the cultivation of the soil either as an occupation or a pleasure. Horticulture is now empable of becoming to the agriculturist what the chemical laboratory is to the dyer and the manufacturer. It is in the garden and the greenvalue of different formules when mixed with differnt soils, then efficies accurately tested on various nds of plants, the i modes of operation carefully and repose the observed, and the economy of their appliation practically ascertained. And these experiments are more necessary at the present day, when we are mundated with artificial and natural mannies and composts of all descriptions, whose virtues and efficacy are boasted of and lauded for the purpose of sale, with more than a pedlar's energy.

Owing to the kindness of Mr. Benjamin Bangs, of this city, who presented to me a small portion of Gunno, brought by one of his vessels, the Heavy Lee, from the coast of Pern, it has fallen to tay lot to try the effects of this much celebrated manure on several The chemical constitution of this substance remiers it probable that it is the excrement of birds, which has, during countless ages, accumulated on the Pernyonn const, where i therms beds of considerable thickness, and where it was for several centuries been used by the inhabitants of that sterile const to raise haverment crops of coin. There are this year sixty English vessels employed in tetching this manue to the English fartners.

The most recent, and probably most correr analy is of Ganno, that by Voelckel, shows that it contains many of the ingredients tivorable to vegetation, such is several salts of annuous, pla sphate of time or the chaif commonent part of bonedust in abundance, potash, soda, and as much as one-third of organic matter, which would turnish humas with a little clay and

Immediately on receiving this Gnano, about the 17th June of this year, I commenced my experiments, which I will now explain in order, and as briefly as possible.

First observing that all those plants which were treated with Grano were potted in a mixture, consisting of plain earth without any manure, sand, and little leaf mould and peat, with which the Guano was mixed-that those plants which compare with them have been grown in our richest compost-and that both have had the same attention, and been grown atterwise under the same cuchinstances.

Fuchisia-fulgens-one y, ar see lling, potted 17th June, 24 mehes high with one tenspoonful not piled up, of Guano-reported 9th August, then 12 inches high, with another spoonful of Guano -- is now 1 1-2

toot high. The contrast between this and the two years old dant is very striking, both as to luxurisance of growth

and color of the foliage, the plant with Guano being vastly superior. I think also that the color of the flower is improved; it is well known among garden ers that it is rather difficult to grow this plant well.

Pelargonium-two seedlings grown with Guano and one of the same sowing wishout; on the 17th June these two were potted with one teaspoonful of Guano, and reported on the 9th August with another tenspoonful; here also the difference in favor of Guano is very great.

China Reses-two cuttings with Guano, potted 17th June, with one te spoonful Guano-one was then 7 metes high, the other 41, they are now 34 in. & 28 in, respectively, with large healthy folinge and stem : these have not received a second applica tion of Ganno.

Celosia cristata or Cockscomb-one seedling, with one tenspoonful and one of the same sowing without -the size of the stem, forlage, and head of that with Gunno is more than double that of the other, and the difference in the green color of the leaves remarka-

effect here has been to lengthen the joints, and t flower appears a trule smaller stan usual.

Access Farnesians—a seeding showing the si

of the tolinge and length of the joints previous to 1 application of a tenepopular of Ganno, and the remain able growth of both atterwards.

Camelia with two tenspoonful 17 dr June, and no since. This specimen, which was quite small and u beathly before the addition of Gramo, as may be se by the lower leaves, exhibits in a most mailed ma ner, hy us banaular large deep green leaves m benithy bad, the action of this menuic.

I have also exhibited a Camella grown with large proportion of line wood charcoal, the foliage as bad is extremely fine and luxurent, and of a vehealthy green color, but as may be seen, not at. equal to that worker with Guano.

One Balsara, 17th Jun , 2 spronful, reported 9 Angust with two more to which a little lime w udded.

This is an ugly specimen, being nearly past flowe but I sent it to confirm an observation in the London Gardener's Chronicle, which states that th Balsania worked there with Guino, came with soul er flowers-it is evidently the ease here, but I have watched it empfully and found that not a single flow mescal beginne its seed visitel, & that every seed vess I have opened, is quite full of perfect seeds containing from II to 20 in each. I wish this point to be can fully remembered, as I shall found some farther re marks upon it

From what I have seen of Ganno it is quite ele that its action is rapid and powerful on the stem at folinge, mercasing their size and deepening their gree color; of this fact there can be no doubt. I think probable that it diminishes the size of the flower some cases, and that it unproves the seed, both quantity and quality -- of this, however, much nin xperiment is required to prove the certainty. I have one more remark to make; when those plants wer reported, which received a second application, the touts were very numerous, and appeared in the mo vigorous health-thick, succulent, pure white, th tips with that bairy appearance so well known by cu tivators as a sign of strong growth.

In Peru it is customary, when using Ganno t raise pepper, to manute three times, first on appear ance of the roots, then on the appearance of the leaver

and lastly on the formation of the fruit. I think the experiment of its action on all fruits particularly the larger fruit trees, as apples, pear penches, &c., will be extremely interesting, as we as on the vine, which is well known to be excessivel greedy for rich is od, particularly for hone manure, th chief ingredient of which, phosphate of lime, Guan

contains in considerable quantity. But if Horneulture be indebted to science for man improvements, it is amply able to repay this debt wit The Garden, with its concomitant Green interest. house, is the true study-chamber of the Botanist-her he will find arranged, as on shelves, in perfect orde for reference and examination, nature's works i thousands of volumes, written in living characters Here he can colinte with, or investigate from, the liv ing plant, the chaincters and descriptions of the olde botaniet, often only imperfectly obtained by ther from the dued specimen of the Herbarium; nay here imagination may sometimes even transport hir to the once visited Alpine rock, or Tropical forestand for the purpose of studying properly the plant or his own country, a living collection is highly im portant. It is impossible for him to exhaust his timin watching the growth, inflorescence or habits o each in its native spot, but collected in the garden o greenhouse, with proper attention to their natural soi and eircumstances, this often becomes both practica ble and delightful.

For if the Horticulture of the olden time be no that of the present, neither is the Botany of the pas-age that of the present one. The time has gone by when a B maist could boast, without a blush, that he had never cultivated a plant; he must now know no netely the name, but the nature, of the individual of the vegetable langdom; he must study their strucure during the advance from germination to maturity must become acquainted with the functions of their various parts, must watch their growth and transformations, and examine with his own eyes many operations of the living plant, on which it is impossible to gather knowledge from the Herbarium ; in fine, the study of vegetable physiology in the living individual, is now indespensable to the Botanist.

It is the want of good collections of hving plants fference in the green color of the leaves remarka-e. this science; in Europe, Botanic gardens sbound Salvia patens with one tesspoonful of Guano—the severywhere, into which all newly discovered plant

ae essential means of study is rapid—here we must and chiefly on books, and I need hardly state how h more valuable and interesting is the book of are than the book of man. A rommant of the ig ance of, and want of interest in vegetable physis. ry, of the older botanists, I think is found in the reion many of them still entertain towards the isformations in flowers, effected by the art of the rticulturist, either by hybridisation or by the mul deation of parts, enusing what is called double flow-

To me this aversion appears to anse from a coneted view of the subject-all these transformations operations of nature, all take place in accordance th her laws : therefore all are deserving of study d of systematic arrangement, and when well un rstood they must throw much light on the functions different parts, as well as on the relations these rts hear to each other. Every deviation from regustructure, called by the man of science abnormal, ast afford insight into the laws of that structure ,id I am convinced that the more these changes are udied by the scientific Botanist, the more enlighted by the scientific Botanist, the more enlighted by the scientific between those portions of the getable kingdom which are now comparatively ob ore.

I cannot resist the temptation to explain a single inmee where the close observation of the growth of innts is of importance, and I do so more willingly the result is likely to be useful, and bears directly pon the interesting subject of Guano.

The nectariferous juices, or, as it is commonly calld, the honey in flowers, is usually separated or sereted by glandular bodies called nectaries, and this able service in the fecundation of the seed; but there re also glands on the leaves and leaf stalks (petioles) if many plants, which perform the same office of sereting honey; here, of course, it cannot be of use or this purpose. Such glands exist on the petioles, or leaf stalks, of most of the Acacia tribe, on the tips of three or four of the lower serratures on the leaves of Grewia, on various parts of the leaves or etems of he Balsam, on Passiflora, and many other plants .-The glands only secrete honey during the youth and growth of the leaf; it is then only that their operation and beaut ful structure can be properly observed; when the leat has attained its full growth and perfec tion, the active part of these glands dries up, the time for observing their powers is past, and the leaf then proceeds in its own important function of elaborating the sap. It has been lately aurmised, and is appears to me with every probability of truth, that this honey is an exerction thrown off, of the superabundant and useless part of the juices, after the leaf or flower has selected all that is necessary, precisely analogous to the excretions of the animal frame, will attempt, very briefly, to show that this view, if correct, is of some importance both to Agriculture and Horticulture. Mr. A. A Hayes, of Roxbury, in a beautiful, simple, and I believe original experiment, exhibited before the Chemical Society of Boston this spring, proved the existence of phosphoric acid (probably cambined) in several seeds, by immersing seetions of them in weak solutions of sulphate or acetate of copper; in whatever part of the seed phosphoric acid existed, on that part was depos ted a precipitate of hosphate of copper; this was particularly evident in the seeds of Indian corn.

A certain quantity of phosphoric acid, or phosphates, is therefore necessary to the existence of these seeds; and that part of the plant, (probably the flower,) destined to perform the function of preparing the juices for these seeds, must go on exerting its utmost powers in selecting and rejecting until the requisite quantity of phosphates and other ingredients for the seed are obtained. Now the phosphates in most soils exist in extremely minute quantities; therefore, those plants and flowers whose seeds require any quantity, must extract large portions of food from the soil before they can select the amount of phosphates necessary for the perfection of their seeds; and probably only as many souds arrive at maturity, as the plant can procure phosphates to complete; the remainder, embryos of which are always formed in abundance are abortive : that is, never come to perfection.

The same line of reasoning of course applies to the other necessary ingreduants of seeds. If, therefore, we present to a plant food containing an abundant supply of these ingredients, it seems reasonable to auppose that we shall produce more seeds, or rather that more of the embryo seeds will be perfected. Now I have before stated that the chemical analysis of Guand shows that it contains, in abundance, most of the necessary ingredients of plants and seeds, the nitro-

quickly introduced; and thus the multiplication | gen of its ammonia being absolutely requisite for the cellular, vascular and other parts of the stem and icaves, and its phorphoric acid, as well as its nitro gen, for the seeds; and if future experience should confirm what I have to day stated as no opinion, that the flowers of plants manned with Guano become smaller, it may be accounted for on the assumption that as there is presented to the plant these ingredi ents in abundance, particularly those necessary for the seed, the flower and its glands, whose office it is to prepare the latter, Lave less work to perform, lesfood to analyze, less to select and less to reject; hence there is no necessity to have them of so large a seze as where much exertion of these functions is required. The seed will also be larger and in greater quantity

I offer this train of reasoning on an abstruce and little understood subject with the utmost diffidence, and certainly under the impression that we have not yet sufficient evidence or experience on this most in-teresting manure to offer a solid and well-grounded opinion; but it is at all events a sufficient foundation on which to lay the superstructure of experiment,

Horticulture is probably still in its infancy in this country ; but if so, it is the infancy of a giant. How few have hitherto devoted their whole attention to lew have inther to devoted their whole attention to raising new varieties of fruits, flowers or vegetables from seed, and yet we have already, among flowers, the almost unsurpassed Camellia Wilderi, raised by our indefatigable President, with several others o great beauty. The seedling Pelargoniums, exhibited this spring in the rooms of this Society, are not far from some of the best imported from Europe, In fruits, we may with pride refer to the strawbarry, taised by an active member of this Society, which has deservedly acquired so much celebrity,—to many of our native apples and pears, to Mr. Manning's cherries, to several new plums which have been exhibited. I have also tasted seedling peaches from private gardens, unnamed and little known, which may enecessfully vie, for flavor and size, with many European fruits possessed of high sounding titles. And indeed, we have everything to encourage endeavors in this branch-for it requires but hitle attention from the hand of man to produce these improvements .-Nature has been lavish in her gifts to this chinate. The glorious beauties of our sunseta amply attest the purity of our atmosphere, and the almost tropical sun which rides over our heads during the summer months, perfectly matures the wood, the juices, the pollen and the seeds of our plants. For the grateful shade of other lands, the ingenuity of the Horticulturist here can easily find a substitute;but to produce or imitate our glorious sunlight, is be youd the art of those of many other countries. been thought that our long winters are a serious impediment to our Horticultore, but it is not so. very essence of this pursuit is to overcome difficulties. to make the wintry desert blossom like the rose; if every circumstance were favorable, if everything flourished epontaneously, of what value would be the exertiona of the gardener? It is the long privation of the charms of Flora and Pomona, by our protracted winter, which makes them so engerly sought after when they do come. The very length of our winter acts, on the one hand, as a stimulus to the gardener to produce his early fruits and flowers; and on the other hand, increases the desire of the patrons of Horneulture to enjoy them. I believe that it would be a very profitable speculation for the builders of new houses in the country, or even in the town, to contrive, at the back of each, a small greenhouse about 15 by 12, just enough for the inhabitant to employ his leisure hours in cultivating, with his own hand, a few exotic plants. The expense of this structure could not exceed \$100. or \$150, and no doubt many would be found who would cheerfally pay from \$20 to \$50 additional rent for such a true and constant enjoyment. If properly arranged originally, by placing a small boiler in the brick work, at the back of the fire-place in the adjoining room, with pipes containing hot water circulating around it in the interior, no extra expense for fuel, or trouble would be required. Even those who do not delight in exotic flowers, would have no objection to use it as a grapery, where fine sorts of this los cious fruit might be cultivated in the highest perfec-

There is evidently an increasing taste for plants to decorate the parlor, but the greatest hindrance to their flourishing luxuriantly is the want of vertical light and properly regulated heat; in structures such as I recommend both these difficulties are obviated, and they would no doubt succeed admirably. These who re-member Mr. Towne's well cultivated plants, will not require proof of this etstement.

I trust also, that, in a few years, attention will be pass many at present in existence.

more directed to the exhibition of true taste, whether n laying out the small garden plot around the house, or in more extensive ornamental grounds. For the cost is the same, whether the labor of planting and making walks be expended in a manner consonant to true taste or otherwise; and the principles of this true taste are extremely simple and easy of application. Had time permitted, I should like to have inid down a few of those principles, and also to have said a few words on the subject to essential to landcape gardening, of harmony, which should be studred with an artist's eye, both in the plantation of masses and lines of trees, with regard to their mode of growth and foliage, as well as in the arrangement of the colors of the flower garden. I must also leave untouched another subject of great importance; I mean the scientific arrangement of trees and plants in gardens, an object which, when attained, not only increases immeasurably the interest of a garden, but leads even those unacientific minds, which are strongly imbaed with a love of order and arrangement, to enjoy and delight in the beautiful domain of the vegetable kingdom.

It would be wrong, however, to devote all of our attention to the ornamental branches of Horticulture; the useful demands an equal, if not a more extensive share. Perfection in the growth of those healthy luxuries of the dinner-table, vegetables, is a main part of the gardener's aim. The value of one portion of these edible plants consists in the perfection of the early choots, the stems and the foliage, such as the aspara-gus, rhubarb, the cabbage, the lettuce, the cellery, &c. -of another portion, it consists in the perfection of the seed, such as peas, beans, &c .- in a third, tha perfection is to be produced in the pulpy or cellular mass which covers and surrounds the seed, as the squash, melon, encumber, &c -and, in a fourth, in the perfection of the root, as in the radish, the carrot, the beet, the potatoe, &c. Now in the consideration of the actional various manures, these points must be the chief objects of study, and it is here that experiments on Guano and other manures seem of importance. If, as appears by the plants exhibited, that the action of Guano is great on the stalk and foliage, then its value should be great in the cultivation of cellery, rhubarb, &c. ; if it be found, as appears to me likely, that it improves the seed, then it will be valuable for peas, beans, &c.

All these considerations induce me to think it probable that we are still in our infancy on these subjects, and that the value of borticultural societies, to nurse this infancy to a healthy manhood, will become every year more and more cvident.

But if horticultural societies have done much to advance this pursuit, horticultural publications have per-haps done more. Without such publications many of these societies would not now be in existence, and that thousands of individuals who have found innocent and delightful resources and excitement in Horticulture, would have been ruined at the tavern or the gambling-house, -finally, that it is impossible to calculate the advantages bestowed on mankind by the vast diffusion of a taste for Horticulture, which these publications have mainly contributed to produce. I cannot now enter more into detail of these advantages; besides a very brief instance will elucidate them with more force.

In the Gardner's Chronicle, published in London 5th May, this year, there is an account of the method of growing asparagus, at Guipuscon, on the Spanish The beds are formed on the borders of salt water, which at spring tidea is allowed to flow in through channels cut for the purpose, thus inundating the roots. Once a year they are covered with about two inches of night soil, waich is forked in in the autumn ; in the spring a thick layer of leaves is laid on, through which the asparagus shoots rice, in size from three to six inches diameter, or more than double the size of the finest grown here. Nearly the largeat head of asparagus I have ever acen, I found during one of my botanical excursions growing wild on the edge of one of the salt marshes at Dorchester in this vicioity, just where the land rises into little hillocks covered with small wood. Here, with the exception of the night soil, nature's operation closely resembles that tollowed at Guipuscoa; the salt water has occasionally access to the roots, and the shoots rise through the bend of leaves with which the autumnal decadence has protected the root. On reading the account in the Gardner's Chronicle, all these facts tecurred to my memory, and I have no doubt that some pieces of salt marsh, to which, by a little m nazement, the salt water might be occasionly admitted, could be most profitably converted into asparagus beds, which in luxuriance and produce would far surVORK. October 14, 1842.

MR. COLMAN, DEAR SIR : -- I now forward another article for the Farmer. I selected this, not merely as showing the value of leached ashes, but mainly as a specimen of the minute accuracy, care and perseverance with which German agriculturists conduct their experiments. I will only observe that the relative measures are preserved, reduced to the English standard acre and bushel; while the prices are assumed to be such as would be here paid and obtained. Though the effects of the ashes, would probably be similar every where, in similar soils, the profit of the application would of course depend on their cost in each locality, and the price obtainable for the products. Thus the cost of the ashes here delivered on my own land, three miles from town, and spreading them, would be \$6.25; while increased products, as the prices assumed, in worth \$19,98. But the actual cost of the ashes and spreading, in the experiment, was \$2,90, and the value of the increased products was \$18,62-astes and labor being there much cheaper, while the products sold at nearly as high prices as they would have done here.

Respectfully yours, SAM'L. WAGNER.

Translated for the New Genesee Farmer.
On Leached Ashes.

BY W. ALBERT, OF ROSZLAN, PRUSSIA.

I am induced to communicate the result of a series of experiments on the application of leached ashes to andy soils, in this vicinity; together with some general remarks on the subject—to which these experiments, end an attentive observation of the effect of such ashes on various soils, have led.

A field, of dry sandy soil, which had lain in grass eight years, and was overrun with mass, was aclected and dressed with leached ashee, at the rate of 66 bushels per acra; excepting a few equare rods in the centre, which were left without a dressing, that the effects of the sahes might be accutately ascertainable. The land was first plowed about six inches deep, turning down the sod carefully, so as to close it in completely; the ashes were then hauled on, spread, and covered in with a shellow furrow, or about two inches deep. In this condition it was permitted to remain six or seven weeks, when it was again plowed, three inches deep,—so as to bring up the ashes—and then seeded with buckwheat. The results were as follows:

In the year 1827, A, a measured square rod of the portion dressed with leached ashes, produced 53 ounces of buckwheat.

In the same year, B, a square rod of the portion not dressed, produced 281 ounces of buckwheat.

In 1828, the field having been seeded with rye the previous autumn,

A produced 77% ounces of grain.

B do. 44 I 6 do. do.

In 1829, oats were sown in the spring, with clover.
A produced 814 ounces.

B do. 381 do.

In 1830, the field was depastured—no additional manure or stimulant having been applied. The pasturage on the dressed part was moderately good—the crop would probabably have yielded nearly a ton of hay per acro. On the other part scarcely any thing grew but weeds. In the fall the field was seeded with rye. In 1831, A produced 53 onness of rye.

" B do. 281 do.

Cost of the application.—Sixty-six bushels of leached ashes, per scre, had been applied; which cost, delivered in the field, 9 cts. per bushel.

\$6 25

New srises the question, what profit has resulted

from this expenditure of \$6.25? The following calculation will show.

In 1827, A yielded 24³/₄ ounces of buckwheat, more than B yielded—which is an excess of 247¹/₂ lbs. per acre, or 5¹/₃ bushels.

In 1830, the field was in clover, and the increased value of the pasturage was at least \$3.00, per acre, in favor of the dressed portion. Say

In 1837, an increased product, worth \$4 05 per acre 1828, " " 5 55 " 1829, " " 3 624 " 1830, " " 3 00 " 1831, " " 4 06 "

\$19 981

Thus, without taking into account the pasturage in the oat stubble in the fall of 1830, we have the aggregate sum of \$19.98\frac{1}{2}\$ as the value of the increased product of this field, resulting from an expenditure of \$6.25, on land worth but \$15 per acre, originally. There is moreover, no reason to suppose that the effects of the dressing were wholly exhausted at the end of these five years—though the experiment was not continued longer.

A heaped bushel of these ashes, when sufficiently dried to be pulverized, weighed 64 bls. Consequently 4224 lbs. per acre were applied; and the application of this quantity produced in the ensuing five years, increased crops of

besides pasturage nearly equivalent to one ton of hay—as appears from the preceding details, the result of a carefully conducted experiment. It hence seems highly probable that leached ashes impart to the soils to which they are applied, a capacity to appropriate and assimilate more abundantly, or more rapidly, the fertilizing constituents of the atmosphere—as this alone affords an explanation of their extraordinary effects.

In addition to the foregoing, experience and extensive observation authorize these inferences and remarks:--

1. Leached ashes have proved themselves particularly efficacious on sandy soils that are naturally dry. But on wet soils and moist meadows, they produce no effect. Though carefully made comparative experiments have often shown an increase of crop exceeding 100 per cent., resulting from the application of unleached ashes to moist meadows, not the slightest perceptible increase followed the application of leached ashes to similar meadows.

Sandy lands which have lain several years in grass, and have been depastured, are more susceptible of improvement from leached ashes than any other.

3. About sixty bushels, heaped measure, are commonly an ample dressing for an acre. Benefit has seldom been derived from a latzer quantity. On the contrary, heavier doses have not unfrequently produced injury-especially in wet seasons.

4. It is found most advantageous to turn down the

green sward the usual depth of good plowing; to row lengthwise, and apply the leached ashes, sprt ing them evenly and plowing them under with a si low furrow, a month or six weeks before seedin when the land should again be plowed shullow, as to bring up the ashes to the surface. They much less efficacious if covered in at once, with seed-furrow.

5. Weeds are very perceptibly diminished afur dressing of leached ashes have been applied; and for six crops may usually be taken, without the apertion of other manures.

6. Osts are decidedly more benefitted by the appearation of such ashes, than any other grain; though grain crops are materially increased thereby.

7. It has been found, in many instances, that I tates and leguminous plants cannot be cultivat with profit on loamy or clayer sand-lands, unles dressing of leached ashes be given several years in a vance.

8. It is not until after a lapse of 12 or 15 years the land having meantime received several dressin of animal manure—that the application of leachd ash appears to become less efficacions.

9. These ashes are always found to be particular efficacious in dry seasons; less so, when the seaso is moist; and when it is wet, of scarcely any effec

It must be remarked, however, that it is only a soils to which they are adapted, and in favorable sasons, that leached seles are thus eminently beneficie and hence, perhaps they cannot properly be conside ed a manure. But in this respect, they share the fact lime, gypsum, hornshavings, bone-dust, and varous other substances—all of which have been know to produce a most luxuriant vegetation and abundanceops, in some soils and sensons, while they remains wholly inert and inoperative in others.

I think I have observed, in general, that a greate variety of manures and stimulants are more efficacion in sandy soils, then in those naturally of a better qual ity and composition. But this, if so, is but anothe avidence of the tendency of Nature's operations, t compensate for disadvantages. As sandy soi's par more freely and rapidly with their geine and assimila ble substances, so Nature has given them more diver sified capabilities for renovation. Hence, also, those alone cultivate sandy sails with profit and success. who turn to account this extra kindness of Naturesupplying the deficiencies of the soil sedulously from the greater diversity of resources which are available for this purpose. But when the contrary prevailswhen by an injudicious course of crops, and the misapplication or non-application of manures or fertilizers, the soil is continually deteriorated and converted into a receptacle of weeds, than a common late-extrems poverty and destitution -- await alike the mismanaged land and its miserable cultivator.

For the New Genesee Farmer.

Manuring Grass Lands -- Value of Ashes.
"N. N. D." of Stockport, in the October number

"N. N. D." of Stockport, in the October number of the Cultivator, gives an account of some experiments made by him in manuring gross lands. He says:

"3d mo. 24th, staked off five square rods of ground, contignous to each other. Soil, clay, an old meadow which had been mowed upwards of 40 yrs; the grass is red top, timothy, blue-grass, and red and white clover; surface nearly level, but inclined to the north."

He then manured them as follows :

No. 1 Left without manure, the product was when dry 25 bbla.
No. 2. I bushel strong ashes, " 39½ bbls.

No. 3. 1 " air slacked lime, " 25 "

No. 4. 2 " clear dry cow-dung, " 284 "

5. 2 " " horse manure, mo 30th, mowed the grass. 31st weighed it," product as in the above table. he result of the above experiment shows most

dusively the value of ashes as a manure for grass l. Quere. Is not the value of the ashes chiefly ved from the potash they contain?

All plants of the grass kind require siliciate of sh."-Lichig's Ag. Chem., p. 200.

he silica or flint of the soil is dissolved by the sh of the ashes, this forms silicate of potash ch is absorbed by the grasses, forming one of their f constituents, as found by chemical analysis. Is this the true solution of the question? I leave it our intelligent farmers to make the right uso of e facts. R T V

he Maples, Sept. 28, 1842. ur correspondent R. T. Y. will see in our presnumber a highly interesting communication transfrom the German for our paper, on the use of

lora our friend will see has anticipated his wishes.

Foot Rot in Sheep.

WEYBRIDGE, Vt., June 27, 1842. IR. EDITOR, SIR :- I have delayed sometime in ng you my mode of managing and curing foot rot heep, as requested.

arious opinions have arisen about the foot rot in countries as well as here. Some English nuthors heir treatises on sheep husbandry ascribe the disto wet pastures, to the superabundant growth te hoof, &c. &c. I believe none of these causes sufficient to create foot 10t. It is a disease that spread only by an inoculation of the infection, ch may be introduced different ways. I have wn flocks of sheep to graze for years in different ures, side by side; one flock would be trouble l the rot, the other be always clear of it; and I known flocks to be cured of the disease and pered to graze in the same low pastures for years afards, and not again become infected. I never d of the disease, and presume it was not known ar continent nor the scab on sheep, until it was duced here by the Saxony sheep. If low wet ares will create the foot rut, as it has been asserted fougtt and other writers, why was not the disamong us thirty years ag., ? All the different ies of sheep are exposed and liable to foot rot if range in the same pasture when any one of the is disensed, or when my of the infected sheep : been in it months previous. It may be mysterious nes with some how they came by the disease. It be communicated by driving them along the high-

where a flack of foot rotted sheep passed months re, or by washing them in the same pen where and sheep have been washed. In cold weather now then a sheep will carry the disease for months, and bit but little lameness, if any. Those sheep that long hoofs and others with very close hoofs, are a difficult to cure, and the most hable to be inocu-I, because they are more liable to draw the grass een the houfs on which the infection has been deed. Tight hoofed sheep are more subject to fric-, and therefore cannot heal as quickly; lambs and lings are more easy to be cured, because the honfs amaller and more open.

sharp pointed knife is the best instrument that be used, and blue vitriol is the best and softest icine that can be applied, of the many kinds ch I have tried; different mixtures and medicines, t as willow bark, oil of vitiral, alum. butter of anmy, saltpetre, corrosive sublimate, &c. &c. Alt any astringent or medicine of a drying nature is I, such as quick lime or dry dust of the road, coal

moist lands and in wet seasons, because there is no dry dust or any thing of a drying nature to operate between the hoofs-however it ecarcely ever is eradiented from a flock without some labor and external means are applied. I have known it to leave small flocks in a dry season in dry pastarea, and also in winter, because if all the infection freezes, it kills the vitality. In England and Ireland they are less subject to frost and their soil is naturally more moisi than with us-therefore the foot rot may be expected to be more prevalent.

Before I proceed farther I will in form your readers that I bave cured thousands of sheep so that they " staid cured," unless in some instances they were sgain exposed by infected sheep getting among them. I have now several hundred sheep on my farm that were infected with the rot two years ago, that were then soon cured by the application of a solution of blue vitriol and zig between the boops with a swab, after all the infected part had been thoroughly and carefully pared.

The winter season or when we have frosts, is the best and surest time to cure the infected flocks, because all the infection that leaves the hoof is frazen, and is as surely destroyed as would be the infection of small or kine pox. When of long standing it cannot be entirely eradicated from a flock, especially in warm wet weather, unless they are permitted to range in another pasture where there is no exposure after the treatment. When they are to be examined, it is not only a saving in time but labor to construct a trough out of two hoards, set up flaring about fourteen inches from the ground, something life a butcher's trough, in which the sheep are placed upon their backs, where they require no other fastening to keep them quies while the examination is going on. The horn of every infected hoof must be paired off so far as the disease has got under, and all the feet swabbed whether sound or unsound; and if the application be in winter, the medicines should be warm. If thoroughly done by a skilful hand, the rot will be removed, and the foot hesled in less than one week. The diseased animals should all be separated from the flock if it be warm weather, and examined again in five or six days. I have known them to become lame in 3 days after they were inoculated. I never knew a sheep of a strong constitution to die with this disease, excepting that in warm weather the infection getting on the body of the sheep when lying down, creates a sore on the body which becomes infested with maggets, and eventually killing the sheep it let alone. I have prevented its raging in warm weather by obliging them to pass through a trough of vitriol water now and then, according to the state of the disease and

As for sheep ranging in a swamp breeding fact rot, puts me in mind of what I have heard asserted by some people, that a man lying in the woods on a bed of leaves for a length of time, would breed fleas. If I had been informed that they would and could thus breed the rhinoceros, I would the sooner have believed them, because the machinery and mechanism would not be so very minute and complicated but of a coarser kind.

Yours very respectfully, S. W. JEWETT.

Large Cattle.

We saw the beautiful animal mentioned below repeatedly, from his steerage to his oxhood. We advised his making the Grand Tour. A friend of ours. who had resided in England nearly thir y years, and assumed to be an eminent connoissent in Cattle, undertack to say he would receive no notice there : and a good deal else indicating how easily prejudice , &c. The infection therefore spreads most in warps the judgment even in intelligent minds. We or \$300, on satisfactory evidence.

are glad that be proved a false prophet, and that the British agriculturist public have so strongly sanctioned our own opinions. This animal was not of the pure blood, but half blood. He was an exceedingly well-formed animal. We were about to speak of his good points, but he was so fat and smooth, it would be difficult to find any points about him but the points of his boofs and his horns.

The noble ox belonging to Mr. Rust, of Syracuse, Onondaga Co., is of pure native stock : he weighs 4100 bls , and is still healthy and thrifty. We had his dimensions taken a year since, at the Syracuso Fair, but as he has grown largely since, we prefer waiting for a more recent measurement before we give them. We apprehend that he is destined to beer the palm from all the mammoth oxen on record. Mr. Godfrey's oxen, (of Geneva,) exhibited at the State Fair at Albany, were most remarkable animals, of astonishing size, fatness, and thrift. There were represented as [native stock. We cannot however decide definitely on this point. We shall, as is the fashion in Court Gazettes, know more about the movements and exploits of all these Great Folks presently, and shall duly chronicle them .- Eo.

THE AMERICAN MAMMOTH OX OLYMPUS.

This astonishing animal was bred by Isaac Hubbard, Esq., in the town of Claremont, State of New Hampshire. He was sold in October 1837, and taken down the Connecticut river to New-York, from thence to Boston; and was imported to England in the fall of 1838 under a heavy bond to Her Majesty's customs to be re shipped to America in six months. Her Majesty's government was pleased to extend the Bond; at this period his name was changed, and was called Brother Jonathan. He weighed at New London before leaving the country 3600 lbs. He was sold late in the fall of 1838 to a company of gentlemen for a large sum, who exhibited him over most of England. This beautiful creature was exhibited at the Egyptian Hall, Peccadilly, London, seven weeks, during which time 22,368 persons visited him, including most every branch of the Royal Family, and the leading agricultural noblemen and gentlemen. By special permission he was admitted into the great Fair at Oxford as an American Ox, and ever four hundred dollars was received in one day. In 1840 be was slaughtered at Horncastle, his weight being 3700 lbs., and it was the opinion of good judges had be have been quiet a few months, with good attention, he could have been made 400 lbs. heavier. He was of the Short Horned Durham breed, and in form considered by conneisseurs to be the most perfect model of his kind; color, Dapple Bay. He was calved January 4th, 1832, and his weight at different perioda was as follows :

Jan. 4th, 1833, being I year old, he weighed 874 lbn Dec. 231, '33, wght 1230 lbs. gain 11 m 19 ds 406 '' Jan. 5th, '35, '' 1800 '''' 12 m 13 ds 520 '''' Dec. 26th, '36, ''' 2350 '''' 11 m 21 ds 550 ''' Feb. 15th, '37, ''' 2910 '''' 13 m 10 ds 560 ''' April 4th, '38, " 3370 " " 13 m 17 de 460 " 3700 "

PROPORTIONS.

Measuring in length from nose to rump, 11 ft. 10 in. Heighth over fore shoulders, 5 to 11 in. Girth. 10 ft 9 in. Loins, Breadth of Hips. 9 ft 11 in. 3ft I in. " Shoulders. 2 ft 11 in. Girth of fore arm, 21t 6 in. Height of brener from ground. I It 11 in.

GREAT YIELD OF HOPS.

Gardon Avery, in the village of Waterville, Oneida county, N. Y., raised this year on 12 acres of land, 29,937 lbs. of hops. He proposes to challenge the world to excel him as to quantity and quality, on the same quantity of land, for \$1,000-or separatelyquality without quantity, or quantity without quality, Cattle Show and Fair at Albany -- September 27, 28, 29, 39, We had prepared the subjoined account of this festi-

val for the last number of the Farmer, but though sec. sonably mailed, it was unfortunately not received in season. Our account must be imperfect for two reasons; first, because we are necessarily restricted in our limits; the second, because having been placed upon the committee for the examination and testing of ploughs, we were, in the discharge of our duties, for nearly the whole of three days exiled from the field. and had no opportunity of doing more than to take a passing glance at the exhibition.

The Show was held at a distance of about two miles from Albany, in an enclosure of more than twenty acres, known and used as the trotting course. A wide and smooth drive encircled the field. The outside of the drive was occupied by a few booths, though the greater part of the booths were without the enclosure; the ground within the drive was entirely devoted to the objects of the Fair. A large wooden building was erected for the exhibition of dairy products, vegetable products, silk, maple sugar, fruits, flowers, small agricultural implements, such as hocs, apades &c. &c., bee-hives, cocooneries, various models of an agricultural character, specimens of the product of the spinning wheel, the loom and the needle, and many other articles of this description, which the reports of the various committees will hereafter describe. There was on the field likewise a large marquee for the office of the Secretaries of the Society and the Executive Committee, and the tents of a military company were erected upon the field for shelter in case of rain. The threshing and fanning mills were exhibited in the rear of the enclosure; the ploughs, straw-cutters, corn-crackers, sowing machines &c. &c. &c. in front; two or three ranges of pens were formed for the exhibition of the swine and sheep, and calves; and the principal animals were tied to stakes, within and sround the circle. The weather for the three firs: days was never more propitions. The fourth day, devoted to the public sale of animals and goods, was slightly rainy in the forenoon, but no one was seriously inconvenienced. The attendance during Wednesday and Thursday was very large, not less than 8000 tickets of admission having been sold the first day exclusive of those which were given away; and a badge, which entitled the bearer to a free admission at all times was presented to every gentleman known to be from out of the State. The money received at the gate was exclusively devoted to the actual expenses of the occasion and the objects of the Society. The arrangements throughout were excellent; and although, as was to be expected, and, as in such cases was unevoidable, mistakes may have occurred, and omissions may have taken place which are to be regretted, and improvements may have suggested themselves, which actual experience only could point out, yet the arrangements throughout reflect great credit upon the gentlemen who made them and whose laborious services were all rendered gratuitously, among whom, without invidiousness, may be named, Mr. Tucker of the Cultivator, Mr. Prentice of Albany, Mr. Wadsworth of Geneseo, President of the Society, Mr. Nott of Guilderland, late President of the Society, Mr. Bement of Albany, and Mr. Walsh of Lansingburgh. To the latter gentleman is without doubt due the honor of laying the foundation of the Society; and of having watched over and assisted its progress with disinterested and parental assiduity. To several other gentlemen, who cheerfully rendered their assistance on the occasion, the agricultural community are greatly in-

The show of ploughs was beautiful; thirty-three baying been entered for competition and

ful construction. The show of other implements was clusively the majority of the committee decided i numerous and respectable. The show of animals, vor of lot No 1: John Keeler, who drove the especially of the Improved Durham Short Horn, of the Hereford Stock, of Southdown, Cotswold, Leicester, Dishley and fine Saxony sheep, for quality, at least, has probably never been equalled in this country. The admirable Durham stock of Mr. Prentice and Mr. Vail, and the Hereford stock of Messrs, Corning and Sotham, the perfect specimens of Southdown sheep from Mr. Rotch of Batternuts, of Cotswold and Leicester from Mr. Dunn of Albany, excited universal admiration. Three of the Cotswold sheep of Mr. Dunn weighed together 889 lbs. There were other fine specimens of sheep, the names of whose owners we could not learn. The swine we had no op portunity of inspecting; but Mr. Lincoln of Worcester, one of the committee, celebrated for his Porcellianskill, will give a full account of them in his own good humom. The horses were on the ground only in our absence. In specimens of native stock, as far as we could see, there was an almost entire deliciency, which was ninch to be regretted. In fat oxen, though the number was small, yet the show was magnificent. Mr. Ives' cattle were excellent; but the ox of Mr. Rust of Syracuse, and the two oxen of Mr. Godfrey of Geneva may challenge the world for their equals. The live weight of Mr. Rust'e ox was 4100 lbs, and he is still gaining rapidly. The famous cow from Maine, for her size and fatness, of her kind probably the most extraordinary animal ever seen, was therefor private exhibition. One yoke of Devon working exen attracted universal attention and admiration. In appearance we have never seen their superiors. But we cannot now farther particularize. The trial of ploughs took place on a field dietant

half a mile from the show-field. Fifteen different ploughs were entered for examination. The points to be ascertained were mainly the power of draft required to move the plough, and its general construction, durability, and expense. The dynamometer was applied to each plough, and four different observations taken and the whole compared; but from the imperfection of the instrument, from the nature of the pow. er applied, different teams and different harnesses being necessarily used in different cases; and from the impossibility, with the imperfect arrangements which had been made, of making the trial equal to all the competitors, the committee determined to submit to the competitors themselves, the question whether a decision on the partial and unsatisfactory grounds which the committee possessed, should then be made, or whether the whole matter of premiums in this case should be abandoned until another year, when the society would be expected to make such arrangements for the trial, that the committee might arrive at a fair decision; at least one which would satisfy themselves. The competitors perceiving all the difficulties of the ease and knowing how very important to their interests a decision would be, expressed their unanimous desire that the decision for this year should be omitted : and their request that the money designed for premiums this year might be applied to the increase of premiums for the same object at the next show.

The ploughing match for a sweepstake of 100 dollars came off on Thursday forenoon. Ten teams entered the lists; and ploughed each one quarter of an acre. Nine of these were teams of one pair of horses; one, a team of one yoke of oxen. A greater part of the ploughing was admirable; and for its skill and beauty could not be exceeded. The different lots were merely numbered; and no name was known to the judges, who were not on the ground until the teams had left. The points to which their examination was directed, were simply the depth and width of the furolion and the parallal lines

entered by Mr. Hillhouse. The plough used in case was from the plough factory of Ruggles, No & Mason at Worcester, Mass. one of the most e: sive establishments for the manufacture of ploughi other agricultural implements in the country. grounds of the judgment of the committee wer tremely limited; but were presented to them b managers. What would have been the decisi the committee had the whole subject of ploughin, the skill of the ploughmen been taken into view have no means of knowing; but the result r

have been different. The society met on Thursday afternoon at the tol, to listen to an admirable address from Gov Seward. Its subject was general; the impor of agriculture, its economical and political bear its improvements; its debt to science and its proof advantage from science, and the value of educ to the agricultural classes. In relation to these t though brief, it was sensible, judicious, and pre in sentiment, and perspicuous, beautiful, and nate in its stylo and illustrations. It comm universal attention and respect.

The farmers and others interested in agricultu its improvement held a meeting on Tuesday ev at the room of the Young Men's Association, & Wednesday evening a very crowded meeting Capitol, for the discussion of subjects connected agriculture. Judge Sackett of Seneca Falls pre The subjects considered were the condition of t ticultural classes, their just claims to protection patronage from the government, and especia importance of provision for the education of fa sons, the establishment of agricultural schools a perimental farms. The meetings were address Mr. Meriam of Boston, Mr. Johnson of Oneid Fuller of Michigan, Mr. Holcomb of Delawar Miller of Virginia, Mr. Peters of Pennsylvania Baldwin of Syracuse, and Mr. Stone of New Other gentlemen participated in the discussion committee of eight, one from each Senstorial i was appointed to draft a memorial to the Leg on the subject of Agricultural Education. meetings were conducted in the best spirit, and ed a strong and enthusiastic interest in the ed and improvement of the rural classes.

An agricultural dinner was given at the K bocker Hall on Thursday evening, where a lor ty of gentlemen enjoyed, in a high measure, th vities of the occasion. The sitting was protre a late hour, and rendered interesting and agree a very handsome and appropriate address fr President of the society, Jas. S. Wadswort by speeches and sentiments from Lieut. G Bradish, Gen. Tallmadge and Col. Stone o York, Mr. Nott, Dr. Beekman, Mr. Viel G. O. Choules, Mr. Barnard of Congres Baldwin of Onendaga, Mr. Marx of Richmo-Dr. Thompson of Del., by a speech in Dute Judge Van Bergen of Coxsackie, and by a most sinstic, loval, speech from Mr. Ferguson of Dun Canada. Mr. Ferguson, by his excellent hume the waters of good fellowship, active, brigh sparkling through the whole evening, Mr. Albany Co, in this matter, likewise player hand. The company separated in good sease the best wishes for each other's prosperity t bright hopes of a repeated interchange of kin tions and sympathies at the next anniversary. RAILWAY SPEED .- The lines upon wh

trains travel at the greatest speed are as fell-Average speed, exclusive of etoppages. Nort Eastern, 36 miles per hour; Great Western Lendon and Brighton, 30, Newcastle and

We should be gird to give all the speeches made at. There are the great leading outlines of the constituuse in the speech of Mr. Ferguson of Dundas, I. C. at we give his remarks on the occasion, a endura y reperted in the All any Argus,

Mr. Panatson, of Caurla, rose to respond on bealf of the visitors from other states, to the very handaffective issues from soil, which the gentlemn at a other color the robb and merpod to if on. But effect I other one word in roby (suddin) I beg leave, the spirit of good tellowship, to nek if there is in nis room the humorous cinacians of the commutee on nork! [Langhter.] Because, it that gentlement is resent I will not rid one wood more and I hear im. [Renewed laughter. The affision here was 6 Mr. Larydu or Myes, who made a report on the wine tanuly, on Tuursday of a radon, that kept the addence in a root from beginning to end. The incredusion to it by Mr. F., ended up a vivid recollection of all Mr. Las very happy points.] He is not present (continued Mr. F. in a tone of disappointment) then, gentlemen, will tell you vely. It is to save his mean. [Langitter.] N w, pendemen. I address you as fellow farmers. I have no right to say fellow. citizens, but follow farmers. As farmers 1 beg leave first to express to you my deep sense of grantings for the honor conferred on me, a back-woodsman of Canada, in being permitted to be present at such a nicet ing us this, and for the pleasure and instruction I have received here. And let me say, before I forget it, that this effice of a judge is a very difficult and thankless one, and the you may discharge your duty never so faithfully and conscientions'y, you are perfect ly sure not to give out-re satisfaction. time, they who have undertaken that daily have a right to call on the society for whom they act, to support them in their awards, and to see that no undue re

marks are made on their judgments. Having said thus much about my fellow judges. permit me to ruh my eyes and look about me and think what a glorious needing we have bad-what an exhibition of stock—how great New-Yerk is. Why, ten years ago, it would have defiel all an means to have produced my thing I ke what we have seen. The spirat was not in existence then. But it is now, and we will spirat it onward. There are, gentlemen, in every great community-in the great state of New-York particularly-I don't say gradud as of mak, but gradate as of circumstances; and one of the bappy results of these meetings is to bring the rich into cont et with the honest form r, and to teach the former what true nobility and independence is, and where it is to be found. [Cheers] If happiness is to be found an earth—Candependence is correct. it is within the state of the planet. There it is. The bonest farmer comes into the city, and its bewildered and ar onished by the splendor that musts he eye on every Land. But, gentlemen, what cort of splender is that. A single shock, a crash somewhere, and down they go like nucepus. [Laughter.] The furner has always a sure reliance. He has his park barrel and les flour burrel, and his go if I one st wife and chi dren [Cheers] That is t'e place to cultivate teal, tire in epend nee-real, tone, intimal organism. [Chears] Nay more-there you find home, moraley, religion ve tue. [checis,] in their purest form. Whi does no know that men, nexed up tog ther in the cause and excitement of basy line, no not appreciate what it is to be an honest farmer, living on his paternal acres? But we a ust not forget that we were made, thank God! to help one mosther. We are all links of one God! to help one another. We are all links of one great human claim. And I say pend toon to the man that would break one of them. [Checis.] I went to see all men equal in their rights. I live under a monatelial form of government-year under a real lie. But I say we are all brothers, [Chers.] More than that—we are all scome of the same enamon stock. [Cheers.] We are of one common bundy. I say it without fear of continuentian here, that Amer icans and Botons have the lave of liberty in their hearts. [Cheers] I say it without reference to our living under a Queen or a President. I hope there is n + high Canadan Tory present that will go home and tell of me. [Laughter.] D o't missake me-1 am a true, loyal, Books subject. [Roars of laughter.] What I meant to convey was the that the great outlines of the two expetest, unityes in the world are tosame. We have our property and lives second by the habous corpus and the mad by jury. That is no mean matter. We have an executive head. We have a house of Peers-or a Sena'c-call it what you please. And we have representatives of the people.

correctioned dinner at the Korekerbocker Hall on those of both majores. Why a law morthing to make e29th ait, but our restricted hants forbid; but in our hearts, who have every reason as rations to go one was so much heart ness, pleasantry and good creshable. I go with the gendeman opposite (Mr. Tulenadge) as to free tigde. But that a a so' port far too yade and to deficult for me to enter on lare. I beg pardon for introduce too long. [Circs of "go "] I beve been trying for a long time 11 27 7 641 to get on my higs, and new I den't know how toon down. [Laughter.] Because if I had the tident to give yent to it, I am overflowing with matter.-(Lanobier, 1

It has just this hed neross my mind, gentlemen, what a progess this world is making, and this country in particulat. We can know nothing of it. I need not sk here-for who has not read. Washington Trying Who has not tend Knickerbocker? [Laughter,] I should like to see how Rip Van Winkle would have or ked if he had opened his eyes, after a thirty years slumber, on the Bull's Head verterday of to-div. [Loughter.] He would have given his eyes a double inh, to see the progress made since he went to sleep down the river. And what would be not have done to have been told that two great nations, by the simple power of steam, had been brought within a fortneede's sail of each other? To see a mother and child, hitherto ensuranged by distance and welling, brought together, as it were, into close provincity? For there was a time when an American in London was treated as a wild beast, and it a Briten came over here, why he was the Devil and all. [Langher,] Tale is not so now. As we come to see each other, we come to like one wanther better then ever before have said already, I am a loyal Braton, and I rejoice. I cannot tell you how I rejoice-in the present state of offare between the two countries. [Cheers] sare you gentlemen I am not alone in this Hun dreds and thousands of British bearts are beating with news and unment, at the prespect of a termanation of sel our deficulties. I sincerely hope, gendemen, though I have no objection in the world to meeting the Americans in the field -nye, on the tented fieldthat I we must nited it may be on the tented field of the Bull's Head. [Rours of Laughter.] That is the field for me. No dulling, if you please—but the drifhas of turnips. [Laughter]

Gentlemen, I hardly dare trust myself to speak of that glorous man-the Father of this country-to when altusion was nucle so handsonally just now. Gentlemen, I revere the memory of Washington, H ever there was a Patrice on cattle, Washington w s the tunn. [Cheers] I visited Mt. Verman not long how my beart swelled no I stood at that great man I could not help repention, to the astonishment of the man who showed me the grounds-

of the man was showed me the grifts of how seep the brave whos alk to rest, By all then country's was leadered. By all then country's was leadered. By the same with dewn for model, but not to do k their british a longer with Est may be three shall there as were a soft Than Fancy feet have earlied B, many banks here kinell is mag. By four warrent their three is some-There Honor con es, a pulgran gray, To be sthe tori that wraps then clay—

G. ntlemen, I forget the rest of it [Cheers loud and

Mr. F. tonehed briefly in conclusi n on the subest of agricultural education. He felt totally accomsecond to say how the object was to be brought about. ot be would say this, that farmers might be educad too high, and might be kept for beneath their proper position. The point to be nined at was that men if high cluent on should be sequented with the pine near details of husbandry, and that men who nudersum I the practical details abould not be ignorant of science. He knew an individual, who, like many in Landon, had acquired a fortune in business, determin d to have done with the shop and buy an estate. He dosed his books, and down he went to the country, His first inquiry there, as an Englishman's was apt to be, was where the nearest butcher's was! [Laugh ter] He was told that every gentleman kill d his own mutton "D-d duty work," said he, "but own mutton "D-d duty work," said he, "but I'll try." The man knew no mere of a country life that the wenther-cock on the steeple. [Laughter.] Mr. F. concluded by giving

Dames'in Manufactures-Plenty of feet for child en's stockings, and the good honest house wife that bears them [Place charts given standing.]

Prevention of Smut. PUTSCHE'S (German) Encyclog adda of Agriculture Schmitz, of Duena, in the province of Juliers, (Pinasia,) for preparing seed wheat so as to prevent smut in the erop. So confident was Mr. S. in the efficacy I has method, that he offered a standing reward of a duest, for every lead of smutted wheat found in his

For every 500 lbs. of seed wheat, take one lb. alum. 1 lb. coperns, 1 lb. salupetre, and 1 lb. verdigre. Polycrize these ingredients and dissolve them in a sufficient quantity of boiling water. When the sobutton bus become cold add as much more water as will be required to moisten the whole thoroughly. The heap should then be turned several times within the ensuing 24 hours, and well mixed; and it is ready for seeding.

Self-Regulating Stove, invented by E. Peot Jun, Seneca Falls.

A remarkable property possessed by this Stove, is that of governing its own heat, so as to maintain, without variation, the precise degree which may be

W thin and near the upper part of the Stove, is placed a brase rod-straight and inflexible. Should the hest rise too high, the expansion of the rod, acting on a lever by which its motion is much increased. s made to close a damper that governs the admission of hir : Or should the heat full too low, the contraction of the rod of ensithe damper and lets in a full draft. A sufficient quantity of fuel being placed in he stove, its burning is held in constant check by the dosing of the damper-consuming no faster than a want of sufficient hear to keep at closed permits: Thus is kentun uniform heat.

The manner in which the degree of beat at which the stove shall unintain itself, is changed, is equally simple, though not so casaly described: By merely moving a point it, different degrees of expansion, and different degrees of heat, are required to close or to open the damper. A disliplate, like the face of a clock, forms a part of the front of the stove. On this are marked the different degrees of beat required, -and the index being turned to a degree, the stove will immediately adopt itself to that rount, and there remain without variation.

Had the invention stepped here, there would have been lett a defect which probably would have destroyed its uscludness. Should the heat rise so high as to close the damper, and tien from any cause continue to rise above that point, some part of the structure must necessarily give away, or class be so lossely and imperfectly in de as to a low such a variation ; -- or should the heat continue to fall after opening the dumper, the same difficulty would be presented. We regret that we cannot, without drawings, convey to the render the simple manner in which these difficulties are removed. The moment the heat should rise above the point of closing the damper, the rad disconnects and demches itself from it, and so remains until the heat returns again to the same point--when immediately acre-connects itself, and resumes its appropriate nums. Or should the heat full after ope ing the damper, the rod becomes disconnected until a return to the same point. This part, more than any other, will strike the attention of the mechanic. It is said to be before wiknown in mechanics, and is as remarkable for its simplicity as its ingenuity.

The stave has various other valuable qualities. It sestimated that from three-fourths to five-sixths of the heat from the fuel consumed in an ordinary stove, is carried off by the current passing through it to the channey. In this stove, no more air being admitted than is necessary to sustain the combustion, very little entrent is nimile and nearly all the heat is expended in the room. And besides, the smoke and cinders, being long retained in contact with the fire, are mostly consumed.

The fuel in this stove being permitted to burn no faster than is wanted, enough may be put in at once to last 12 or 24 hours. Wood is converted into a bed if charcoal, which gradually consumes, but no faster than is required. A person may go from home, and leave his stove through the day, or through the night, and when he returns find it at precisely the same temperature at which he left it.

Remedy Against Prost.

It is recommended, in some of the French agriculural papers, to dejusite some wet strawy manure in the torks of a fruit tree when in blossom, to protect the fruit from frost. If applied in the evening, it is said, that, should frost occur in the night, it will be visible on the upper surince of the manure, but the gives the following as the celebrated recent of M. firnit buds or blossoms will wholly escape injury.



ROCHESTER, NOVEMBER, 1842.

AGRICULTURAL INTELLIGENCE.

The Monroe Co. Agricultural Society held their Show and Fair in Rochester, on the 25th and 26th of October. It was numerously attended on both days, and showed the zeal of the farmers, which was not cooled off by driving for miles through mud nearly to the hubs of the wheels, the rain of the preceding night having left the roads in a most miry condition for the season. This state of the roads undoubtedly prevented the bringing of many articles and animals, biped and quadruped, to the Fair, which would otherwise have been there; but the show in all respects was creditable to the county, and the city was crowded with farmers, their wives and children both days of the Fair.

We shall leave the several Committees to speak for themselves and give them on another occasion ample room to be heard. There were several highly improved animals and some excellent native stock among the neat cattle. The magnificent Stud Horse of Mr. Weddle, a horse of most remarkable size and power, and designed for labor, attracted universal admiration. A team of four voke of oxen from Mr. Ayrault, and some other cattle from Perrinton, and other places, of native stock, and of a cross of the Durham with the Devon, would have done honor to any show in the country. The Leicestershire Swine were there likewise, in their glory, fairly distancing the Berkshire; and a family of pigs, five months old, which, within our knowledge, could hardly be surpassed for size, thrift, and heauty.

The show of vegetables and fruits, though somewhat limited, yet in quality we have never known equalled. The cabbages, some of them weighing 31 lbs. each, the augar beets and mangel wortzel, the carrots and turnips, and the celery and salsafy and apples were magnificent. The products of female industry and skill were numorous and beautiful. If the county of Monroe has many girls as skilful and industrious as the works of seme showed them to be on this occasion. she is eminently rich in the best of all products. If one in particular, whose numerous articles of exhibiition were of singular beauty and displayed extraordinary industry and taste and skill, but whom we should deem it indecorous to name, is not inquired after early by some of the young farmers of the county, they at least should have a premium for their obtuseness and be honored with a fool's cap and feathers for the next anniversary.

Some axes and pitchforks from the factory of Mr. Barton of Rochester, were of exquisite finish, as also were some ploughs from the machine shop of Ruggles, Nourse and Mason, at Worcester, and Charles Howard of Hingham, Mass. The ploughs may in all respects be eafely compared with any made in the country. The number of articles exhibited were limited. but excellent of their kind.

The ploughing match came off on Wednesday about two miles from the city in the presence of a large concourse of interested and grateful spectsters. Seventeen horse teams entered the liste, and no one was allowed a driver. The land measured 1 4 of an acre. The depth prescribed was 5 inches; the width of the furrow slice ien. The time allowed, 60 minutes

scribed. The work throughout was well done, some excellently well done, though the land was not fa vorable to smooth work. The report of the committee will be given in full. An iron plough called the Buck Eye, with a curved beam, appeared to move with extraordinary lightness and ease, and made very good work. Howard's plough, for its excellent work, maintained the high character which it has for years had in Massachusetts, where it is known, as one of the best ploughs ever put into the ground.

The customary address was given in the afternoon and the premiums announced, excepting on creps, which are reserved for the winter meeting; and the members of the Society separated, after a gratifying and friendly intercourse, with stronger convictions of the importance of improved agriculture and a quickened zeal for its promotion. The Society was honored by the presence of several distinguished persons and friends of agricultual improvement from the neighboring counties, and it is hoped that at the winter meeting in Albany of the State Society, such mutual arrangements will be made in regard to the times of holding the County Shows on separate days, that it may be in the power of the farmers of different counties to exchange their civilities, which may be as improving, as gratifying to the parties concerned. The shows should begin early in September, and not as now be all crowded into October.

Ontario County.

Ontario Co. Agricultural Show and Fair was attended on the 18th and 19th of October. The 18th was rainy and unfavorable, still the exhibition of valuable animals was more numerous than has before been presented in the county, and the stock of a better description and in higher condition.

The ploughing match was attended on the second day; twenty-three teams entered for the competition. The contest was close, and the judges much at a loss to decide among ten of the ploughmen. An hourand a half was allowed for ploughing a fourth of an acre of land with horses. The first premium was awarded to Silas Aldrich, Farmington. The second to Wm. Otley, Phelps. The third to Charles B. Meek, Canandaigua. The first premium for ploughing with an ox team, the same amount of land in the same time, was awarded to D. C. Bates, Canandaigua. The second to John H. Wheeler, East Bloomfield. Other ploughmen are metioned with strong commendation.

We should give the whole list of premiums but cannot afford the space. The products of female industry and skillare represented as uncommonly numerous and beautiful. This is what we should expect in this highly cultivated and intelligent county. The specimens of Ontario Co., women, whom we have had the pleasure of seeing, would be all of them regarded as premium specimens in any part of the country, which we have visited. We only say of the Ontario Co. men. that we wish they may be worthy of their wives. This would be glory enough for them. We would not imply that they are not.

We were glad to see the commendation bestowed upon Hatch's broad cast Sowing Machine, for sowing all kinds of grain and plaster; we believe it every way deserving. We have seen several fields sown with it with great exactness and success. We have the testimony of several excellent farmers in its favor, to which we shall hereafter refer. It is of cheap and simple construction, and not liable to get out of order. For the purpose designed, we know no better machine. Mr. Hatch is a resident of Rochester, N. Y. We regretted that prior engagements at other places prevented our attendance at the Canandaigua Show. In the fertility of its soil, in the beauty of its scenery, in its neat cultivation, in its improvements and the intellifor horses; 75 for oxen; but racing was wholly pro | gence and elevated character of its population, we be-

lieve it is exceeded by no part of the country. The ad-Iress of Myron Adams of Bloomfield, is much commended for its good sense and practical character. We hope, through our columns, to have an opportunity of furnishing to our readers the whole, or the most valuable parts of it.

Niagara County Agricultural Society Show and Fair.

This was holden at Lockport on the 18th and 19th of October. We had the pleasure of meeting the Farmers of this fertile county on the first day. The day began with rain and so continued until the afternoon. Any one, who has seen a half drowned rat or a game cock after he has been dipt in a tub of cold water and left to drip, knows how crest fallen he seems, and what an extinguisher or damper of all pride and ambition such a thorough wetting always proves. If small things may be compared with great, we could not but be reminded on this occasion of an account given us by a distinguished gentleman of this country, who was a guest at Lord Elgin's Tournament in honor of the young Queen, when the rain came down in torrents and the plumes of the gallant Knights hung like wet rags over their shoulders, the noblest ladies of the land were glad of the shelter of even a cotton umbrella, all the gay pride of rank and title was absorbed in the general desire "to save himself who can," and even the brilliant banquetting table in all its profuseness and splendors was deserted, for there was no other way of keeping the fair and sparkling sandals out of the water but by sitting on the benches after the Turkish fashion with their feet under them, a position which, besides its awkwardness, involved the peril of losing the centre of gravity and incurring a general splash. The day and field at Lockport were in some respects not unlike. As to shaking off the dust of your feet, though one may have felt ever so uncomfurtably towards the good people of Lockport, it was out of the question; one could hardly shake the mud off unless the foot went with it.

The farmers of Niagara Co., however, turned out in great force. They are no hot-house plants. The show of cattle was quite numerous. Some excellent animals of the Improved breeds and some first rate specimens of the Dishley, Cotswold and Leicester sheep as well as of the fine wooled varieties were exhibited. Some excellent horses and colts were likewise on the ground. From appearances we think we have reason to infer that in no county in the State, all circumstances considered, is the spirit of agricultural improvement more rife than in this rich and beautiful county. Our engagements prevented our remaining during the next day for the exhibition of agricultural and horticultural products and domestic manufactures, but we anticipate the pleasure from some friend there, of a full account.

Genesee Co. Agricultural Show and Fair. This was attended on the 20th and 21st of October.

at Batavia. We had not the honor of being presented either for exhibition or premium among the live stock on the first day; but we were on the ploughing ground in due season, on the second. The attendance was very numerous and the ploughing respectable. Three teams only entered, but they displayed a laudible ambition to excel. This is certain to carry them forward in this first of the farmer's arts. These ploughing matches deserve, in the highest measure, the encou:agement of the farmers, as they have been found, whenever employed, among the most powerful means, not merely of improved skill in ploughing, but of general agricultural improvement; because they bring the farners together under circumstances where their feelings and ambition are strongly excited; and this excitement extends its healthful influence to all branches of rural industry and emulation.

The perfection of the art of ploughing only to be

seen when an Englishman or Scotchman, trained to it from his childhood, gets between the stilts of the plough, and, after setting the noses of his horses in a right direction, and putting the beam of his plough to the same point, follows on, turning up the soil everywhere at an equal depth, with an equal width of furrow, and laying it always at the same angle of inclination and marking it out as exactly as a chalk-line would mark it, and finishing it as perfectly as if it had been done by an experienced hand with a spade. He leaves no baulks, no unturned, no half-turned, no broken sods, and exhibiting a piece of work as neat and as handsome as a newly ironed and platted shirt rufile or muslin cape. when it comes from the ironing board of a skilful housewife, ambitious to show off her spouse to as much advantage as he appeared on his wedding night. This we call ploughing, and to this perfection there is no reason why, with proper encouragement and effort, we Yankees should not come at last, and all in due season.

We were told by those, who were perfectly competent to judge, that the show of animals the day previous was numerous and excellent; and so likewise of agricultural products. When next it happens, as was said of Gilpin's ride, " may we be there to see." numerous and highly respectable audience crowded the Court House after the ploughing match to hear words of encouragement as to the improvement of this great art; and the whole occasion was such as to infuse new zeal and courage into those, who have at heart the advancement of this unquestioned and unquestionable object of human comfort, civilization and improvement.

Cayuga Co. Arientulral Society.

The Caynga Co. Agricultural Show and Fair were held at Auburn on the 12th and 13th Oct. We had the pleasure of being there on the first day and regret ted the necessity of denying ourselves the gratification of witnessing the exhibition of agricultural products and the fruits of the garden and the ploughing metch on the second day. The show of animals was small but there were precious specimens of the most Improved Stock presented by Mr. Sherwood, Mr. Dill and others. Mr. Sherwood's Stock is splendid and same of his animals are perhaps not surpassed in the country. His celebrated bull showed himself in our sheet some months since, and he has about him a atock quite worthy of him. Mr. Dill's heifer exhibited her fair form and figure at the State Fair and received the deserved compliments on the occasion.

It is impossible to particularize in this case; and we shall wait for the afficial reports. There is a great omission in almost all these cases of exhibition, and that is the want of proper labels on the pens. When an animal is presented for abow, his name, age, stock &c. and his sire's name and his owner's name should be placed on a label on his stake or pen; and if a eow, her product and qualities as well as the other circumstancea mentioned obove should be stated. At present, there is nothing of this and in most cases no one present to give any information. A considerable number of fet cows were shown and to much advantage.

We had the pleasure, if indeed pleasure it can be called, a sad pleseure in truth, of visiting the State's Prison the ensuing day. The condition of its inmates is probably as good as such wretchedness can be made, though dreadful at best. They are well fed, well clothed, and treated with kindness; but the misery and anguish of being thus "buried alive," we may imagine, can be very little understood by those of us, whom God in his mercy has saved from so wretched a lot. The manufacture of silk is carried on to a considerable extent in the prison and with much andcess. The articles manufactured are chiefly sewings of an excellent and constantly improving quality; the weaving of silk has been commenced under

favorable numices. We are promised from the mitchligent Superintendant, Henry Polhemus, a detailed account of their operations. The greater portion of the material manufactured has been of domestic production, and \$3,50 to \$1,00 are paid for eocoons. Here is a good home market for all that may be pro-

We were led to reflect with unmingled pain upon the snieidal policy which the State has seen fit to adopt in respect to these unhappy victims; not so much on account of the pecuniary loss which the State must suffer by the actual want of employment for a large portion of them, which they must son experience under the new system; but far more for the mhumanity which prohibits in all cases the teaching of these miserable beings some useful trade, by which in the event of their being returned into society they may have the means of getting an honest livelihood. In our humble opinion the State could not have passed a more cruel act than to deny this small boon to these miserable men, who, if any upon earth, are indeed objects of true pity. The clamor about State Prison monepoly is about as worthy of notice as if the tailors and washerwomen in Aphura should complain. that the State provides for making and cleaning the clothes of the convicts instead of giving the job to them. If any thing should have been done it should have been not to prevent these people from laboring and not to refuse to teach them a trade, but to charge their labor and the products of their labor at the same rates as are charged out of doors. For ourselves however, we eannot see that the State was bound to do even this. Open competition is the life of all business and the very element of improvement. This legislating for particular trades or parties is unjust to the community; and the manufacturers of silk have as good a right to demand that the State shall aban don this important branch of business as any other body of tradeemen that any branch of manufacture whatever should be given up in the State Prison. Many of these poor fellows, among whom we may admit there may be some of the most prefligate and abandoned, are more objects of compassion than of condemnation; and how can we under the pretence of administering a reformatory discipline be willing to turn them adrift upon society without character, with out money and without any honest means of livelihood, that they may be secured against those temptations to crime, which may otherwise, soon bring them back to their solitary dungeons. The cry of such inhumanity must go up to Heaven. The State, we think, cannot too soon retrace its steps. These men, wretched, criminal, and abandoned as they are, have in that very condition the strongest claims upon public compsesion and care.

Auburn as a town or village hoa few superiors. Its wide and well-built atreets, its apacions and aplendid blocksof stores filled too verflowing with goods, its handsome public buildings and hotels, and its many extraordinarily testeful and beautiful private residences, render it pecutiarly attractive as a place of visit or habita-This is our only visit since 1825 excepting the pigeon-flight through its suburbs by the rail road cars. Its progress and improvements are most remarkable.

Wayne County Agricultural Society

Held its annual Fair on the 5th and 6th days of the eighth month, at Palmyra. The increase of general interest was shown by the many hundreds of our most intelligent farmers and other citizens who were present, from all parts of the county.

The first day was devoted to the exhibition of domestic animals. Not less, probably, than a hundred head of cattle were upon the ground, including several full-blood Durhams, many half-blood, and some very fine specimens of native breed. It is to be regretted that the reports of the Committees did not specify the breeds; among those however, who exhibited the best Durham cattle noticed, were Wm. R. Smith, John have no partialities.

Baker, and Thomas Wright of Macedon, Win, Swails of Sodus, Dr. Button of Newark, James Dunn of Lyons, and others. Several very fine horses were also exhibited; the premiums were given to C. D. Culver of Macedon, for the horse "Young Turk," and to Dr. May of Palmyra, for the Morgan horse "Tiger." Other fine horses were exhibited, among which were the celebrated imported horses Alfred and Samson, the former belonging to Thomas Weddle of Rochester, and the latter to John Robinson of Palmyra. There was a marked difference in the collection of sheep and swine, although some beautiful Berkshires were noticed, and some fine specimens of sheep of Leicester, and Saxony breeds.

The second day was occupied with the exhibition of Fruit and articles of Domestic Manufacture. These were exceedingly creditable, though the collection was moderate. Several very fine truits were noticed-the peaches were far better than any at the State Fair at Albany; and some of the apples were very excellent. Pears and grapes were quite deficient. Among miscellaneous articles, were noticed very fine specimens of carpeting, flannel, and hearth rugs; excellent cocoons from E. B. Blakesly, Newark; some very fine vegetables; and a highly finished two-horse lumber wagon. varnished, but unpainted, showing the surpassing strength and excellent quality of the timber employed in its manufacture, from Sherman & Crandall of Palmyra.

The ploughing match was on the morning of the second day, and afforded great interest and gratification to the many hundreds of spectators who were present. The ground was a sward, the soil a sandy loam, the quantity of land for each team a quarter of an acre, to he ploughed full six inches in depth, in one hour. The excellence of the ploughing, or at least a part of it, excited the admiration of all; work of equal quality, it is believed, is rarely witnessed on similar occasions. The first prize was awarded to John Robinson of Palmyra, (B. Brown, ploughman,) and the adaptation of the Samson breed of horses, at least for ploughing, was most satisfactorily shown by the ease with which a pair of half-blood, only three years old, plowed their quarter of an acre, in about fifty minutes, and took the first prize. It was observed with satisfaction, that no inducement was given to hard driving, by offering a reward on speed, a specified time merely being required.

The report of the several Committees, being in most cases unaccompanied with any statements of the peculiar management, or of the breeds, which drew the preminms, but merely of the names of the successful competitors, and only of local interest, and are consequently omitted.

On the whole, a greatly increased zeal is awakened in support of the Society, and of the Agriculture of the county, and there is every reason for it. Wayne county possesses great advantages, and remarkable susceptibilities of improvement. With a rich sandyloam soil, not so heavy as to bake nor so light as to lack strength, and a marly, fertile sub-soil; with occasional beds of reat and marsh-muck, scattered over its surface, and sometimes shell marl, affording immense resources in the manufacture of manure,-there is every inducement for skill, enterprize, industry, and thorough farming. And in a horticultural point of view, the advantages are not inferior, for in addition to the excellent adaptation of the soil, the climate is greatly softened, and severe frosts, destructive elsewhere. are prevented by the proximity of Lake Ontario.

Then let her "GO AHEAD !"

Note.-It is proper to say, that In noticing meritorious animals and articles above, others may have been equally so, which the imperfect observation of a single individual may have overlooked. Those matters only most interesting to the writer are noticed, and very few J. J. T.

The Award of Premium: by the New-Work State Agricultural Society.

This interesting part of the processors of the Socicty took place at the Assembly Chamber, yesterday afternoon, the President of the Society, James S Wadsworth, esq., in the chair.

The reports of the committees were listened to with great attention, and were of high interest. We give helow a very brief summary of the results, so far as we were able to gather them, down to the hour of going to press. They are chiefly the awards on the stock exhibited, with the exception of the swine, to the report on which we were unable to get access.

[We have kept the press waiting for the official Reports form our friend, the Secretary of the Society, Mr. Tucker, of the Cultivator, but to our regret, they have not been received, and we are indebted to the Albany Argus and Journal for the subjoined 1

PREMIUMS.

BULLS. Class 1-First premium to Mr. Prentice's Nero. 2nd do to Mr. Johnston's Roal. 3rd do to Mr. Bemeut's Astoria. 4th do to Mr. D. D. Campbell's.

ment a ANOMA, and no let al. D. Complete S. Class 2—let prem. Mr. Prendice's Fardax. 2nd to Mr. Clark's Herelord Major. 3rd to Mr. Vull's Wellington. 4rt to Mr. Sampson's Class 3 a Fustorem, Mr. Vun Reusscher's Rock-tone Class 3 a Fustorem, Mr. Vun Reusscher's Rock-tone Class 3 a Fustorem, Mr. Vun Reusscher's Rock-tone Class 3 a Fustorem Mr. Vun Reusscher Mr. V

ingham. 2ad, to Mr. Delavan's Leopard, 3rd, to Mr. Van Reusselaer's White Prince. 4th, to Mr. Vail's Meteor

Class 4—Pirst prem Mr. Prontice's Cato. 2nd, Mr. Sweet's 3rd, Mr. Goo. Vail's. 4th, Mr. Sherwood's Damon.

cows, &c.

Class 5—1st prem., Mr. Sacrwood's cow Stella;
2d, Mr. Prentice's Paisy; 3d, Maj. Dill's Gazelle.
The diploma to Mr. Sacrwood's Paisy.

Class 6-1st prem. to Mr. Dill's heifer Hebe; 2d, Mr. Prentice's Sally; 3d, Mr. P.'s Caroline. Class 7-1st prem. to Mr. Sherwood's heifer Nor-

na; 2d, to Mr. Prentice's Charlotte.

Class 8—1st prem, to Mr. Prentice's call Nell; 23, Mr. P's Datchess (by Fairfax). The diploma to Mr. Vail's heater call (by Wellington).

This committee also recommend an extra premium of \$15 to Mr. Sotham's Hereford cow Matchless, and a premium of a 0 to his cow Maitha, and a diploma to his heifer Maria.

GRADE CATTLE.

Class 9-1st prem. to G. W. Risley, New Hartford; 2d, Jesse Buel, Albany. Class 10-1st prem. to S. S. Fowler, Greenbush;

2d. L. V. V. Schuyler, Watervliet. Class 11-1st prem. to C. N. Bement, Albany.

Class 12-2d prem. to E. Cheesebro's Guilder.

land.

Class 14-2d prem. to L. V. Schnyler's (Watervhet) nat ve heder.

Class 15-A diploma to Mr. E. Cheesehro's dairy cow.

WORKING OXEN AND STEERS.

First premium to Mr. Phelps of Chatham; 2d, to Benj. Aikon of Greenbush; 3d, to Wm. N. Sill of Bethlehem: 4.h. to Henry Adams, Bethlehem: 5th, (the diploma, 'to Jacob L. Ten Eyck of Bethlehem.

FAT CATTLE AND SHEEP,

Ozen-1st premum to P. N. Rust, Syracuse, for
the fattest: 2d and 3d, to Godney of Geneva, for the second and third best; the diploma to T. E. Jones of Utien, for the fourth best.

nuts; 21, to John McD. McIntyre; the diploma to Mr. McIntyre.

HORSES.

Stallions-1st and 24 mem. to Mr. Long's Eclipse and Sir Henry; 3d, to Mr. McKinney's Sir Henry; the diploma to Mr. Long's Magnum.

Matched Horses 1st prem. to Mr. Brinkerhoff's bays; 2d, to Mr. Johnson's blacks; 3d to Mr. Mcsick's bays.

LONG WOOLED SHEEP.

Bucks-1st prem to Thos. Dunn of Guilderland: 21 to J. McD. McIntyre of Albuny: 3d, to E. C. Delayan of Bellston: 4th, L. D. Cliff of Patman co.

Ercs—1st prem. to Corning & Sotham Albany.
for the heat pen of three; 2d, to L. D. Cliff, 3d, to

Thomas Dann, Guilderland; 4th, to J. McD. Mc-Intyre.

entered by 11. Morris in of Orange co.

BUIDLE WOSTER SHEEP.

Bucks-1st prem. to J. MeD. Melntyre, Albany; 2d, to T. M. Rotch, Otsego co; 2d, and diploma to S. Waite, Montgonery.

Excs-1st piem to T. M. Rotch; 2d, to M. Me-Intyre; 3d to S. Waite; the diploma to C. N. Be-

Bucks-1st prem. to Clus W. Hall, N. Lebanon; 2d, to Henry D. Grove, Rensselacr co.; 3d, to John

Mat, Mechanics ille.

Lices—1st and 2d prem. to H. D. Grove; 2d, to Chas. W. Hull, of Lebanon.

Class 1. No 1. A Winte Bull, Durham breed, 3 vears and 3 months old, owned and raised by Mr.

Johnson of Geneva-a noble animal. No. 9. Imported Bull, (Dule) Durham breed, potted, owned by Christopher Proctor, Bethlebem,

Albany co.--a large and well built annual.

No. 11. An old American born Bull, spotted, Apax) 10 years old, large and strong built, owned by Mr. Hillhouse, Albany.

No. 12. An American born Ball, (brown with spots) 5 years old, as fine a looking animal as one would wish to look at-owned by Win. P.Van Rensselner, of Rens-ciner county.

No. 13. A Spotted Bull, 3 years old, owned by Peter Van Wie Bethlehem, Albany county.

No. 14. A black Bull, American born, (Black Hawk) of the Durham and Holderness breed, owned

by Jesse Ives of Bridgewater, Oneida co.
No. 16. A large and hundsonie white Bull, four years old, with spots, (Young Copson) Durham breed, owned and raised by John Soop, of Bethlehem, Albany co.

No. 18, A fine white Bull with a few spots, 3 years old, Durham breed, owned by D. D. Camp-

years and, Amana Scient ctady co.
No. 19. A white spotted Ball, 3 years old, raised and owned by Joel B. Nott, of Gulderland, Albany

Class 2, No. 1. A noble Bull, white with spots, 24 years old, Dasham breed, owned and raised by

James Percy, of Hoosiek, Renaschaer co.
No. 3. Algown Bull, 2 years old, a fine smooth limbed animal, Herefo d breed, own d and raised by

corge Clark, Cooperstown, Orsego co. No. 5. A large Bull, room, Durham breed, 3 reasold, owned and raised by John Sampson, of Brunswick, Renssclaer co , and to be one of the finest in the U. S.

No. 6. A brown Bull, Dusham breed, 21 years old, owned and bred by the same.

ond, owned and ored by the same:

No. 8. A small Bull, 2 years of I, Ayrshire breed,
owned and rused by Judge Van Bergen of Green

No. 10. A very fine brown spotted bull, 2 years old. Durhum breed, born in Renselner county, owned

by N. C. Sweet of Chiton Park, Saratoga co.
Class 3, No. 1. A most beautiful Darham Bull, It years old, white with red spot-, owied and inised by James Percy of Hoosick, Ren-scher co.

No. 2. A dark brown Bull 11 years old, Durham and Devonshire breed, in s. d and owned by Harman Buseing of Beth'ehem, Allmny co.

No. 3. A white Bull, some age, &c. and owned and raised by the same man.

FAT CAUTLE.

No. 1. White Cherry, 7 years old, owned by L. V. Schnyler, Watervliet, Albany co.

No. 2. A line fat steer, (Proctor) 11 years old, owned and bred by E. P. Prentice of Albany co.

Nos. 3 and 4. A pair of Mammoths in size and fat-native oxen, owned and fattened by Charles Gudtrey of Genon, Cayuga co.
Nos. 5 and 6. A fine pair of fine fat native oxen,

owned and hed by Jesse Ives of Bridgewater, Oneida No. 7. A large dark red native Ox, very fat, six

years old, raised and fattened by E. Terry, of Maishall, Oncida co. No. 8. A noble, large and fat native Ox, six

years old, owned and raised by T. E. & A. A. Jones, of Utien, Oneida en. No. 10. Durh in steer, owned and fattened by D.

D. Campbell, Schenectady co.
No. 11. A fine for native Ox, owned and fattened by A. R. and D. Hunter, Watervliet, Albany co. No. 11. A spiencid Waite Durham Bull (Rock-

ingham) 14 ye rs old, mised and owned by Stephen Van Reneselner. No. 12. Another fine White Durham (the White Troy.

The committee notice taverably the ewes and lambs Prince 14 months old, owned and rused by the same No. 13. Another good Bull, Darbam (Albany) 13 months old, brown with white spots. Owned and raised by the same.

No. 11. A Durbam Bull 1 year old (-

wheel and raised by D. D. Campbell.
No. 16. An elegant we'l-built Durb in 1½ years old, white spotted (Leopard) owned and raised by E. C. Delavan of Ballston Centre, Saratoga co. COWS

There was a most beautiful lot of cows and calves, thirteen in number, descendants of the celebrated White Derham Cow, Matilda, who was among the number, owned and raised by Mr. Prentice of Albany.

Five beautiful imported Durhams, owned by Mr. Hilliouse of Albeny.

Two fine native Durham cows, owned by J. B. D.ll. Anbarn Cayuga eo.

Seven cows and calves native Durhams, a very suerior lot, owned, and part of them imsed by J M. Sherwood of Auburn.

A fine white, two years' old Darham cow, and a four months' old call, owned and massed by J. H. Coons, of Brunswick, Rensselner co.

A penutrial rest call four months' old, owned and reised by J. P. Noxon, Sullwater, Saratoga co. Two handsome calves, owned and raised by J. B.

Note, of Guilderland, Albai y co. There was also a number of calves and beifers in the pens, whose owners and redigice could not be

A lot of handsome cattle, twenty-one in number, owned by Mr. Corning of Albany.

SHIELP.

There were a large number of sheep. We noticed one pen of very the wooled and handsome lumbed ewes and lucks. 19 in number, Luceolushire, cross of Cotswold and Dishley, owned and taised by Leonard D. Clift of Carmel, Putnam co.

Also a fine pen of sheep, owned by McIntyre of Albany co.

Also a very large buck owned by Mr. Cliff of Put-112111 00 Two very fine pens of different breeds, owned by

Sothern and Corning of Albany.
Two large Cotswold bucks and four ewes, owned

by Mr. McIntyre.
Four very fine Balewell sheep, owned and raised by H. Morrison of Montgomery, Orange co.
Two pens of Cotsweld, owned by Mr. Bullock of

Albany co. Two pens of Southdowns, owned and raised by

Samuel Wait o' Montgomery, Orange co. Seven or eight pens of Southdowns, owned and

raised by different persons. A pen of ten ewes and six tame, of very fine S exony sheep, owned and raised by H. D. Grove of Housick, Rensselner co. Also some pens of native sheen. BOARS.

No 1, 2, 3 and 4. Berkseire bows. N . 8. Alarge Berkshire boar, by B. Knower, of No 9. A large boar, owned by Mr. Bussing, of

Bothlehem, Albany co.
No. 10. A beautiful boar, owned by Joel B. Nott,

of Albany co. No 11. A very large Berkshire boar owned by

Mr. Salsibury, of Catskill. No 12. A boar owned by Mr. Salsbury, of Cate-

No 11. A large Cheshire boar. No 2). A boar and sow owned by Mr. Holland,

of Saratoga co: sows. No 4 A breeding sow, of the Chinese and Nepo-

Inan breed, white, No 5. A large breeding sow.

Nos 6, 7, 8 and 9. Some breeding sows of a good appearance.

Also in 10, 11 and 12. No 15. A very large one. The owner's name we could not learn.

PIGS.

Nos 3, 4, 5 and 6, filled with Berksbire pigs. Nos 7 and 8. Berkshire pigs, four months' old from the farm of S. R. Schuyler of Watervliet, Leantiful and Int.

No. 11. Four Cheshire pigs, white and large, No. 13. Four Borksnier pigs, owned and raised by A. Schnyler, Waterviet.

A. Schnyler, Waterviet. No 19. Berkishire bleeding sow and eight pigs, a apperior lot, owned by T. C. Abrahams, of West

A fine Berkshire sow and two pigs, owned by Mr. Gibson of Albany.

Another fine Barkshire sow and four pigs,

owned by the same.

No 20. A splendal breeding sow of the Berkshire and Cheshire, owned by Mr. Fox of Albany.

MACHINES, &C.

Threshing-1st prem. to John A Pitts of Albany: 2d. to Mr. Stafford of Syracuse; the diploma to Mr.

Bostwock.

Straw Cutter—1st prem. to Mr. II vey, Worrester;
9d, to J. Standish, Fishkall; 3d, to Botts and Burfoot,
Redmond, Va.; 4th, to R. Sandair & Co., Balti-

Horse Rakes-2d prem. to I. Dorner, Castletos; 3d, to Lewis Stimons.

Fanning Mills-1st prem. to I. E. Grant, of Schaghticoke: 2d, to Phineas W. Dickie, of Phelps;

31, to J 1. Bullock, Guilderland, Harrows -1st prem. to Marcus Adams, Monroe; 2d, to Christopher Proctor of Bethlehem; 3d, to D.

Caley of Bethlehem.

Cultivators-1st prem. to J. 11.Koone, Rensselaer; 2d, to Ruggles, Nourse & Mason, Worcester; 3d, to Elinkim Elmer, Delia.

Corn Crushers-1st prem, O. Hussey; 2d, Robt. Sinclair; 3d. James Marray. Corn Shellers-A diploma to J. A. Whitford, Sa-

ratoga Springs.

Hay and Cotton Press-A premium to W. S. Jacks, of Catskill.

Thermometer Churn -- A premium to Mr. Crowell. of Lime Rock, Ct.

Self acting Cheese Press—A premium to Collins

and Stone. Hucs-A diploma to H Clark of Reasselner

Pumps-A diploma to Augustus Thayer, Chat-

ham. Horse-Shoes-A diploma to Henry Burden, of Troy.

Probangs-A discretionary premium or silver medal to Dan et Caley of Bethlehem,

We understand that a very superior Ayrshire Bull. Cow, and Calf, recently imported, were exhibited as the Fair, by the Hon. A. Van Bergen, of Coxsackie. Had not the several committees been misinformed as to the breed of these anima's, they would have receiv ed premiuma beyond all question. We are glad to learn that they have been purchased by our fellow citizen, Joel Rathbine, esq.; and we congratulate the farmers of Albany county upon this valuable addition to the already numerous herds of imported cattle in our vicinity.

Among the horticultural exhibitions was a case of Fruit from the garden of A. T. Van Slyke, e-q., of Coxsackie, Greene co., containing six splended bunches of foreign Grapes, the Black Hamburg, and eight very large Peaches, taken from a scedling tree of two years' growth, the largest measuring nine and a quarter inches, and the smallest eight inches in circum-

Jones' Patent Silk Reel .- Amongst the results of inventive genius exhibited at the Fair of the Agricultural rociety, there was none with the simplicity, compactness and beautiful operation of which we were better pleased, that the Silk Reel of Messrs. A. B. & W. H. Jones, of Manchester Conn. The whole machine does not exceed a cubic foot in size, and is novel both in its construction and mode of communicating motion, having for this purpose neither georing, belting nor banding, and hence is not liable to get out of order. It winds the silk from the cocoons upon small barrels, and runs two threads at a time, which cross each other between the first and second guides, precisely like the Picalmontese Reel

When dry, the silk can be slipped off from the bar-rels in small circular skeins which will preserve their shape to be packed and transported any distance, and can at pleasure be unwound with as much facility as yarn is taken from the ball, and without any Lability of breaking or losing the end. It thus virtually performs the two-fold operation of reeling and spooling at the same time, as it is doubled and thrown immediate. ly from the barrels in small circular skeina. Another recommendation of this reel is the expedition and consequent chemness with which it teels. A mere child whose actvices may be had for six cents per day, can The cost of a machine we understood easily turn it. was twelve dollars.

Extraordinary Crop of Field Peas.

On the 29th of April last, I sowed four acres of the short pod English pens, on ground that was used for corn two years previous. The ground was not ma- produce a good crop.

unred. The ground was plowed once, and harrowed twice. The soil was black and mucky. The quantity of seed sown on the acre, was three bushels. In August they were harvested. I threshed and measured the quantity grown on one acre, which was an average of the whole, and found they measured 884 nverage of the whom, and bushels, of an excellent quality.

DAVID WASSON.

Leicester, Liv. Co., Oct. 4, 1842.

South Benwick, Mg. ! Oct. 13, 1842.

Mr. H. Colman, Sir: - There has recently come into my possession an old account book, in which, I find the weight of cattle, slaughtered, Nov. 1790 -- nearly 50 years since. I will give you an abstract, that you may publish it in your paper, if you see fit, in contrast with the weight of a cow and heifer, slaughtered in December last, belonging to Hon. Chailes N. Cogswell.

HATCH OX. Nov. 1790. | PERKINS ON, | HUSSEY COW. Nov. 1799. | Nov. 61 2.3 107 0 Hide & Tal. 72; " [Hide & tal 102 " Hide & tal 61" " 511

Quarters,			RY'S OXEN. Quartere.	9	lbs
44		4.6	13	97	4.4
4.6	110	61	**	51.2	6.4
* 4	111	61	**	57	**
Hide & Tallow,	86	"	Hide & Tallow,	8.5	**
	569			459	

Hon, C. N. Cegswell's Cow, Dec. 1841, 772 lbs. Hon. C. N. Cogswell's Yearing Heifer, Dec 1841.

C. N. Cogswell's two years old Heifer; live weight,

1174 " The slaughtered beifer was about twenty months Your Friend,

CHAS E. NORTON. For the New Genesce Farmer.

Mowing Land -- an Experiment.

Mr. II. Colman-Dear Sir :-- There is no principle better settled, or that receives more fully the assent of mankind, than the axiom, that "Experience is the best teacher of Wisdom. The most beautiful theory in philosophy, morals, politics, or agriculture, oftentimes proves, in practice, to be a mere illusion of the brain-incapable of any practical utility. As in the question proposed to the Philosopher, "Why white sheep eat so much more grass than black ones? the profoundest scholars have often mistaken some of the most common circumstances and operations of every day life. But the theory deduced from close observation and experience, and from the actual operations of nature, can hardly be mistaken, or as the Poet ve y pleasantly expresses it;

> "Thus every object of creation, "Thisevery inject at treation, My furnish libits for observation; And from the most minute and mean, An inquiring mindean wisdom glean,"

Having recently noticed the result of an experi ment in farming, which, although it may be quite common in some parts, we had never tried or seen before, and which resulted quite satisfactorily to ussomewhat to our disappointment-I thought it might be useful to the numerous readers of your widely circulated and very popular paper to have an account of it.

My father is somewhat of an experimenting and observing farmer, as you have remarked in your peregrinations in our country as Agricultural Commissioner of Mass.; an office which the farming interest of the old Bay State ought to have continued and sustnined. He had a piece of mowing land near his house, of loamy soil, which, having been mowed for several years, had become turf-bound, and did not

The crop of grass in 1841 was not more than half a ton per acre. Soon after it was mowed, about the first of August, (1841.) he turned it over very carefully, with one of Ruggles, Nourse & Mason's best ploughs. It was then rotted, harrowed, and manufed with about 20 loads to the acre of well prepare 1 con.post manure, then harrowed again-seeded down with a large quantity of clover and herds grass seedharrowed again, and completed by rolling. The gra-s seed come up well, but was put back somewhat by ile dryness of the weather. The winter was theemmonly destructive to clover, and most of it was killed out. In the sping, (1812,) it looked rather poorly for some time, the senson being cold and dry. But on the commencement of the warm and rainy weather, it grow umazingly; and on the latter part of July, he cut, at least two tons to the acre, of clean herds gra s with a more sprinkling of clover, the clover having been mostly killed out by winter, as I said before; a quantity more than twice as much as he would have cut, had be not plowed it.

After the first crop was cut, the weather continued warm and moist, and he has just cut the second crop of at least a ton to the zere, making not less than three tons to the acre, this season.

The experiment has succeeded beyond our most saugume expectations. We supposed we should nearly lose the grass the first season, but hoped to gain by it afterwards. But metend of that, there has been a gain the first season of more than 200 per cent. in the quantity of grass.

Hay being one of the most profitable crops we can raise in this acction of the country, it is a great desi leratum to be able to lay down lands to grass with. out being compelled to cultivate them with corn, pointous, oats, &c., for three or four years, thus losing the crop of grass for that time. I think that on level, loamy lands, this kind of agriculture may be practiced with success and profit.

The crops generally, in these parts, are uncommonly large. The first crop of grass was about an average one. Rye was good, and corn has tipened well and is good. Oats were very large, and the second crop of grass. I have never seen so large before, The continued rains of August and the first half of Sept., have made our pastures excellent and fall feed abundant.

Notwithstanding the vetos of the Bank and Tariff Bills, a good Providence has continued to smile upon us, and our barns and granaries are full to overflowing. And now our greatest trouble is, our crops are so abundant that prices have fallen very low. Not even the final passage of the Taritf Bill, which increases the price of most things the farmer uses, but gives him not a cent more for his produce, and diminishes the foreign market for his grain, can save us from low prices when there is an abuniant harvest. Verily, man is ungrateful, but God is ever good !

We are highly pleased with the "New Genesco Farmer," under the management of its new Yankee Editor. May long life, good health and abundant prosperity attend his efforts to promote the best interests of that large and most important class of our fellow citizens-the Farmers of the United States.

H. W. C.

Bernardston, Franklin Co., Mass., Oct. 1, 1812.

P. S. An experiment of irrigating land on a scale somewhat extensive is being tried in this town, which scems to promise valuable results, and of which I will give you some account hereafter if desired,

We are very much obliged to our good friend for the above account, and heartily reciprocate all his good wishes and kind regards to him and his. Like O, T., we ask for more. This is not half enough .- Ep.

Sencea County Agricultural Society. This Society held its Show and Fair at Waterloo on the 20th and 21st inst. The occasion was respecably attended. The show of animals was small; but hose of Mr. Bacon of Waterloo, Mr. Johnson of Fayette, and Mr Sackett of Seneca Falls are among he best of the Improved Short Horns. A Short Horn oull belonging to Mr. Dunlap, we believe, of Ovid, righteen mon ha old was a very remarkable animal or his size; perhaps few have exceeded him, if ever se has in this respect been excelled, and in other counts he was to be commended. There was another emarkably fine bull on the ground of excellent pro portions. His length and depth were remarkable; nis age 5 years, his color white and brown; but his awner's name not known.

The horses shown on this occasion as a whole were incommonly fine. We counted ten in the ring, and ome of them pre eminent for their beauty, especially bay colt three years old, and a dark sorrel horse of dmirable form and carriage. The horse of all work s undoubtedly the horse for the farmers of Western New York, but this is not incompatible with beauty of form and high mettle. We cannot for the sake of he improvement of the breed of horses desire to senorse racing introduced; this in general is the improvement of the horse at the serious expense of the eterioration of the man, and " costs therefore a good leal more than it comes to " But we are always reretting that the fashion of riding on horseback for nen and women, the most bealthy, manly and beau iful of all forms of exercise, should be almost entirey surperseded by the tashion of riding in carriages, nd especially in what are usually called Carry-alla, ignificantly denominated by a humorous friend of ours, Kill-creatures, where a man at the expense of his poor horse feels bound to take in his wife and his wife's maiden sisters and perhaps a neighbor's wife ind all his children though his family should be as numerous as that of John Rogers, the martyr in the primer, consisting of nine small children and one at he breast, which leaves the question somewhat unettled whether there were nine or ten. This abuse of these damb creatures is fatal to all imprevement of he breed; but the fashion of riding on horseback and treating our horses better, and grooming them setter, for sure most of them are scarcely groomed at all, would essentially promote the improvement of the ace. Whether this is to be expected or hoped for we shall not venture to predict.

The cruelty with which this noble race of animals s often treated is most shocking. Any one, who will ook at the galls and wounds upon many of our stagenorses and our canal horses will see reason to wish, hat if any thing can be effected in that way, an pasociation for the suppression of cruelty is as important as for almost any other object of moral reform. We have recently witnessed cases of cruelty in which we eel that we did great dishonor to the poor beasts in peaking of brutality as a term of approbrium for nan-ality infinitely transcended it in odicusness; and we could only desire as a just retribution, that the poor, oppressed, abused and mangled animals might sy their hoofs upon the breasts or heads of their persecutors so gently as not quite to take life, for we should be sorry to have these wretches put out of misery at once, but to come so near to it that they might be at no loss to understand what blows and bruises mean. whether applied to horse flesh or man flesh. These instances show how little man is to be trusted in any case with absolute power, and what a curse would come upon the world if man could ever approximate what they so constantly desire, that is, independence. and any man were permitted to do as he pleased The world could hardly contain such a menster as he

would be likely to become, as we see in the case of the despotic Roman Emperor, who wished that all men had but one neck that he might cut off the head of all at a single blow.

There were shown at the Fair at Waterloo, some draining tile made of clay and well baked-about 14 and improving their profession and condition. inches in length, 4 in width, and perhaps 5 in depthforming half a circular tube with the sides somewhat extended. They were made by Benj. F. Whartarby of Waterloo, and could be afforded at 30 c.s. per rod. This would be a cheap mode of draining. It is generally thought only necessary, after the drain is dug, to lay them on the ground where the subsoil is hard. This we believe is an error. It has been found so in England, and many drains laid in this way it has been found necessary to take up; the water passing under the tile has softened the bed and the tile has gradually sunk down until the water course became filled up. It may cost more at first, but we should recommend in all cases laying a flat tile at the bottom to receive the circular tile. These flat tile would cost but little and a drain thus laid would last for ages. The introduction of a thorough system of draining promises the greatest improvement that our husbandry has yet seen and is destined to quadruple our crops.

From the excellent farm of Richard P. Hunt, we saw specimens of mangel wortzel, ruta baga and especially the white carrot, which certainly spoke at the top of their voice in behalf of the excellence of the soil and the skill of the cultivator. We pronounced them at once of the mainmoth variety, for no other name would suit them.

Some farmers' wives and daughters were there with very fine specimens of their bandy work, and themselves very fair specimens of even a finer workman ship than their own. Some needle work wrought at the parsonage was beautiful; there were handsome specimens of oilk, hosiery, flannels, &c. There was a specimen of flax, perfectly cleaned of the hull by first being steamed and then passed through a machine for the purpose, which is likely to prove a great improvement over the old system of rotting and

There were likewise exhibited some beautiful pieces of broadcloth manufactured by the Waterloo Woolen Co. of an excellent quality; and not the least interesting circumstance of this part of the exhibition, was the polite desire of the company that we should choose for ourselves a suit from their best fabrics. We gratefully and respectfully acknowledge this substantial civility; and shall wear it with pride and pleasure. Our only fear is that it may so much stimulate our self-esteem, so intimately associated with the love of country, that our bat may not be quite safe on our head in a high wind.

If the show of quadrupeds on this occasion was limited, the show of bipeds was numerous and respectable. The farmers held an agricultural meeting in the evening at the Court House between the days of the Fair. Judge Sackett, the public spirited President of the Society, presided. Several farmers poured out the rich tressures of their experience, and the evening passed off in a most instructive and delightful manner. Such meetings should be multiplied. They should always be connected with the Fairs; and night be rendered not the least attractive nor the least useful part of the occasion.

Waterloo every where indicates a rapid and realthy growth. Its Academy on the green romises to turnish the ample means of a finished edleation to a large number of both sexes. The buildng itself is well worth a visit. It displays great arbitertural taste and elegance, united with all the conveniencea in a compendious form, desirable in such an

establishment. Let the Farmers not forget that education, substantial education, is an object which cannot interest them too much and towards which they cannot be too liberal, as the great and in truth the only instrument, next to good morals, of elevating

Oneida County Agricultural Society Show and Fair.

The Rome Sentinel gives a brilliant account of this occasion held at Rome on October 12th and 13th. It seems to have gone off with great eclat. "The Church," it is said, "was crowded to overflowing with one of the most intelligent assemblies of farmers, their wives and daughters, and other citizens, we have ever witnessed on similar occasions." An address was delivered by B. F. Johnson of the Central Farmer. which we can have no doubt was worthy of the occa-

The ploughing match was attended by 2000 spectators, and as it should be, by ladies and gentlemen; for what more beautiful, innocent, and exciting pleasure, than a fair field and a spirited competition, where no crueity is permitted and the whole tendency is the improvement of the best of all arts. Seventeen competitors entered the field.

It seems by the votes passed to have been an extraordinarily thankful occasion; and might, we should think, answer for the General Annual Thanksgiving for the year, if our good Governor does not appoint any other; for they, it seems, besides thanking the orator passed special resolutions of thanks

To the Hon. President of the Society.

To the Corresponding Secretary, the Recording Secretary, and the Treasurer.

To the Chairman of the Committee of Arrange-

To the young gentlemen, "who acted as Clerks and rendered such valuable aid during the Fair;" and we have no doubt to the Fair likewise, for which we presume the ladies thanked them.

To the keepers of public houses, in the village of

To the Vernon Band for their attendance,

To the Trustees of the First Church, for the use of

This was certainly doing the thing up in handsome style; and will make the Society welcome, whenever its anniversary comes round.

The number in attendance was estimated at 10,000; and we now vote ten thousand thanks, that is a thank ye, to each of these good men and women, who thus encourage the best of all pursuits for comfort, happiness, and morals; and thus, by their presence and acclamation, "speed the plough."

We cannot give the premiums on animals-but we note some on eropa.

Premiums were given on Winter Wheat, for 241-2 bush. per acre.

On Spring Wheat, for 311-4 bush. and 27 bush.

On Indian Corn, for 94, 91, 85, 83, 78, 71, bush, per acre. These crops are highly ereditable.

On Oats; 1121-2, 94, 86, 79, bush. per acre. These crops are excellent.

On Barley; 64. 53 1-4, 45 3-4, bush. per acre. The first crop is nausual.

On Rye; 33 bush. per acre; certainly a good crop. On Potatoes; 435, 15I bush. per acre; rated at 60 lbs. per bushel. In giving a premium in these cases, we see the Committee decided upon the principle adopted by a clerical friend of ours in respect to his congregation, which was very sparse ;-" What," said he, "they want in number, they make up in charac-

On Potatoes for quantity per acre, entries were made for 693, 432, 396, 372, 368, 360, 337, 232 bushels.

We see no Rohans among the number; so transient is popularity among potatoes as well as all other earthly things. We believe, however, they were represented afterwards; and also potatoes called "Perfectionists;" of Mormons, none appeared; they belong, we believe to a side-hill in Ontario county.

On one crop of Ruta Baga, of one quarter of an acre, at the rate of 284 bushels per acre. To give a premium on such a crop as this would, we should fear, disturb poor Cobbett's bones in his grave.

On Sugar Beets, 579 bushels. On Mangel Wortzel, 1115 bushels.

On Carrots, 554 bushels per acre. We have grown a thousand bushels, and we have known crops at the rate of 1390 and 1780 bushels per acre. Premiums were given on silk, flannel, and Sngar all which were pronounced excellent. Sugar always finds favor. This Committee are always a tasting Committee; and we defy a man to say an unkind thing with a large lump of sugar under his check. We have never yet seen the woman that could soold her husband with a piece of double refined loaf sugar in her mouth, and we recommend it as a preventive.

Various other articles were honored; but alas! a pair of white German Geese were overlooked. Strange they had not asserted their rights among other pairs of geese, which possibly may have been there. The Romans! the Romans! of all people in the world to overlook the geese. Base ingratitude! The old Romans never forgot the descendants of their distinguished benefactors, who saved the Capitol. They made the Goose the object of their idealtry. Sad degeneracy among these modern Romans!

A premium was awarded to a lady for a pair of embroydered Ottomans, for which 80 dollars were offered. This illustrates the hardness of the times. The lady, we would remind the young men, is single from her name; and a pair of ottomans seems to imply a spare seat for somebody.

A premium was awarded for a very superior hedquit to a lady, the maker of it, with but one arm. So fertile is human ingenuity in meeting emergencies and rising above difficulties.

Last of all, a premium for a Climax Cooking Stove. This must be a curiosity. We can imagine nothing farther than has been already accomplished; but this we presume not only cooks the dinner but serves it up at the same operation.

The occasion seems to have been most auspicious.

To Correspondents.

We have a valuable and valued communication from Flora for our next number. J. T. Y. will find his wishes, in which we cordially join him, in this matter anticipated. We hope to hear from him again and often. Our friend Horsefield's communication on Mediterranran Wheak will appear in our next. We do not much differ in cinion.

We thank our friend J. K, of Portsmouth, for his letter on thr different breeds of Poultry.

"The cock doth crow To let you know What time to rise."

Right glad are we that his crowing has waked our friead up, from whom we should be glad to hear often.

Communications from W. G. and W. B., on the Protectice Policy, designed for this number, together with many other articles are necessarily excluded for the present, as well as several accounts of eattle shows in this State, and New England. We are pained to say to our respected Correspondent, J. S. D., that it was intended to have inserted two more of his letters in the present number; but our compositor being suddenly called away a distance of 500 miles by the death of his father put them where they could not be found by the most dilicent search.

Several communications from J. D., E. H. S., and others, are on hand for future use.

Finit Trees.

It is a common practice with the farmers of this section to set out fruit trees on old land, and seed it with timothy or clover seed. In a few years the trees become stunted and have rough mossy bark and vellow leaves, showing every sign of starvation. In this way thousands of young fruit trees become worthless to their owners and uscless to the soil. This is probably owing to the hardness of the soil, not being plowed often, and to the encrosehment of the roots of the grass on the roots of the trees, so that in a few years the roots of the grass become matted around the trees. Farmers who have such orchards should immediately plow them up; and if practicable set out new trees. If not, clear the gross away from the trees and put well rotted thip manure around them or leaves gathered from the forest will answer the same nurnose.

Finit trees, especially those which are young, should be hoed or plowed around at least once a month during the spring and summer. I know of no reason why the sub-soil plow would not do well for land that is intended for orchards. It would certainly save labor in setting out trees in a hard or clayey and

Our correspondent H., wishes some information in regard to the use of ashes. He will find a highly interesting communication on that subject, in the paper of this month, translated from the German for the New Genesee Farmer. We know not where to commend him to any thing more instructive. We publish his suggestions in regard to fruit trees that we may bring the subject to the attention of the formers, not that they present any thing new in relation to the subject. Fruit trees need as much and as careful cultivation as any plants which grow out of the ground. There can be no question that the use of the sub-soil plow, together with every other method by which the soil can be broken, or kept loose, would be beneficial—Eb.

We publish below from the Seneca Falla Democrat nn account of a Stove invented by E. Foote, Jr., of that place. We subjoin likewise a letter from a gentleman at whose house we saw the Stove in operation. We believe from what we saw, that it is a highly valuable improvement, both as it respects economy and comfort. It is now a days with stoves, both cocking and parlor stoves, as it is with ladies' bonnets. The man, who purchases one of the latter must burry home, or the fashion may change, before it can be mounted. Such rapid changes are constantly taking place in all kinds of beating apparatus, that it is very difficult to keep pace with them, and a man feels hardly safe in buying one with certificates to its efficacy as numerous and long as the joints in the funnel. A friend of ours declared he would not buy a cooking stove until "they had done making improvements," but as the hymn says, " he died without the sight." We believe Mr. Foote's Stove an excellent machine and answering its purpose well. We cannot say that better will not be invented. We know that many worse have been. What Mr. Davison means by burning a cord of wood a week in a Franklin Stove we do not well understand, unless he was engaged in clearing land, or trying to heat the large room outside of his house, and help Professor Espy in some of his philosophical experiments-otherwise he ought to be indicted for extravgance; and we are quite certain he has never had the luxury we have had of paying eight dollars a cord for wood besides the sawing .- Eo. SELF-REGULATING STOVE-INVENTED

BY E. FOOTE, JR., OF SENCA-FALLS.

A remerkable property possessed by this Stove, is
that of governing its own heat, so so to maintain,
without variation, the precise degree which may be

required. Within and near the upper part of the Stove, is placed a brass rod—straight and milexible. Should the heat rise too high, the expansion of the rod, acting on a lever by which its motion is much increased, is made to close a damper that governs the admission of air:—Or should the heat fall too low, the contraction of the rod opens the damper and lets in a full droft. A sufficient quantity of fuel being placed in the stove, its burning is held in constant check by the closing of the damper—consuming no faster than a want of sufficient heat to keep it closed permits. Thus is kept an aniform heat.

The manner in which the degree of heat at which the stove shall nonituan itself, is changed, is equally simple, though not so easily described: By nerely moving a pointer, different degrees of expansion, and of course different degrees of heat, are required to close or to open the damper. A dad plate, like the lace of a clock, forms a part of the front of the stove. On this are marked the different degrees of heat required—ond the index being turned to a degree, the stove will immediately adapt itself to that point, and there remain without twintion.

Had the invention stopped here, there would have been left a defect which probably would have destroyed its usefulness. Should the heat rise so high as to close the damper, and then from any cause continue to rise above that point, some part of the structure must nec sarrily give way, or else be so loosely and imperfectly made as to allow such a variation :should the heat continue to fall after opening the damper, the same difficulty would be presented. gret that we cannot, without drawings, convey to the reader the manner in which these difficulties are re-The moment the heat should rise above the moved. point of closing the damper, the rod disconnects and detaches itself from it, and so remains until the heat returns again to the same point-when immediately it re-connects itself, and resumes its appropriate duties : Or should the heat fall after opening the damper, the rod occomes disconnected until a return to the same point. This part, more than any other, will strike the attention of the machine. It is said to he before unknown in mechanics, and is as remarks. ble for its simplicity as its ingenuity.

The store has various other valuable qualities. It is estimated that from three-fourths to five-sixths of the heat from the fuel consumed in an ordinary clove, is carried off by the current passing through it to the chininey. In this stove, no more air being admitted than is necessary to sustein the combustion, very little current is made, and nearly all the heat is ex pended in the room. And besides, the smoke and cinders, being long retained in contact with the fire, are mostly consumed. The fuel in this stove being permitted to burn no faster than is wanted - enough may be put in at once to last 12 or 24 hours. is converted into a bed of charcoal, which gradually consumes, but no faster than is required. may go from home, and leave his stove through the day, or through the night, and when he returns find it at precisely the same temperature of which he left it

SENECA FALLS, June 24, 1842.

DEAR SIR:—I send you berewith one of our village newspapers, contoining as full an account of the mode of operation of Mr. Foote's Self-Regulating Stove as I could give you.

When in Seneca Falls, you saw the room in which I used the stove; it is 18 by 20 feet square. My house is not a warm one; it is built of wood, and admits considerable sir. Previous to getting this Self-Regulaior, I used a common Franklin. In this the consumption of wood as near as I can retimate, was one cord per week during the four colder menths. I have made a number of experiments with the Self-Regulator in the same place, and have uniformly found that one solid foot of good wood was on abundance to keep a thermometer in my room at 70 degrees, 24 hours that amount per day, (incredible as it may seem,) I think would be a full allowance for the whole winter. The plessantness of an uniform temperature and the great saving in attendance upon fires, are also important requisites. In the latter item alone I have saved enough to repsy me the price of the stove three or four times in the past winter.

Respectfully yours,

W. T. DAVISON.

Magazine of Horticulture for September. We cordully commend to our readers this valuable publication, edited by C. M. Hovey and published monthly in Boston. We should be very happy to forward names or subscriptions for a work which descrives the patronage of the biends of Gardening, Fruits and Plowers in the country. We extract from this number an interesting and useful article on the current.

Remarks on the Cultivation of the Currant.

Very lew of our garden fracts are so much neglected as the current. Its cultivation scens to be a matter of no consideration, and when the bushes are once planted, they are left to take their chance, and little attention is bestowed upon them afterwards. Pruning is entirely forgotten, and the plants often become a prey to insects, which soon destroy them. A fruit er generally admired for its good qualities and its many excellent uses, and so universally cultivated that sear ely a garden exists in which it may not be found, should not be so entirely neglected; for, like all other from and plants, it is susceptible of improvement, and had the same attention been given to it that has been lavished upon the gooseherry, we doubt not but that new varieties, far excelling any we now possess, would have been found in our gardens, as common us the new and improved sorts of that fruit.

In France the current has long attracted attention, and, until littely, has been much more highly esteemed than the gooseberry. But the French horticulturists did not attempt any improvement in the varieues. The Datch cultivators were the first who seem to have paid particular attention to it; they suce eded in 217ing a greater value to this fruit by the production of seedlings, and it is from this source that the very hest varieties at present known have been spread over Ea-

rope and America.

The late Thomas Andrew Knight, Esq., President of the London Horticultural Society, called the attention of cultivators to the current, and he attempted the production of new varieties from sked. The currant, he thought, might eventually become a very sweet fruit

It is well known that the accidental circumstances of soil, situation. &c. in which the current has been grown, have been the means of so altering the appearance and character of the fourt, that new names have been given to such as have been found in a supe-Her state of growth, and some of the sorts are known and reachast half a dozen synonymous terms. We lar ow rands duals who have cultivated the emtime many years, who upon seeing those of superior garwih, have in pured the name of the variety, under the impression that they might add a larger and better sat to their garden; yet how surprised have they been to learn dust it was one and the same kind of which they had abundance already, only in an interior and neglected state of growth. It is indeed a rare circounstance to find plants in any thing like the vigor they can be minde to attain by proper cultivation, the pupilication of manuic, and above all, the proper mode of printing.

Within a few years some attempts, have been made to produce new seedlings, and we find in the English journals of Inst year, two or three new varieties offer ed for sile. Among our own cultivators, very lew have thought of bestowing so much care on this heat; yet there are instances where it has been done, and with good success. Captain Lovett, of Biverly, presented some very beautiful fruit at a late meeting of the Wissachnseits Horticultural Society, which would not saffer in companion with the celebrated Re-Dutch: the clusters of fruit were large, and the berties of great size and line color; continued expenments, however, are requisite to arrive at important results, and effect decided improvements; by contintrally selecting the largest fruit, and producing succo sive generations, in a few years the whole character of the fruit would undoubte ly be much changed. If the gooseberry, from a small, sour, and almost unentable fruit, has been increased to three times its orig and size, its flavor and sweetness improved, why may not the current, by the same attention, be equal ly lonelited, and rendered more worthy of extensive enlaration? We hope our numbeur forticulturists, among whom are many who delight in the production of improved iruits, will not omit to give the current a portion of their attention.

But it is to the cultivation of the well known and excellent varieties of the current which we already piecess that we wish to call the attention of cultivators. If their mode of treatment be properly under-

now known. To give this in full, we shall commence with the Production of Seedlings, and add all the other particulars of their growth under the following ends :- Situation, Soil, Raising Young Plants Planting Out, Pruning, (both summer and wruter, Insects, and General Observations, concluding with Description of the Different Varieties,

Raising the Current from Seed. - To grow seed ings, it is important that the largest and best fruit should be selected. To do this, a strong and healthy plant should be relected, and it too full of fruit to pre vent its attenning a good size, it should be thinned our leaving only sufficient for the plant to bring to the utmost perfection; as soon as the fruit is ripe, it should be picked, and the seeds washed out from the pulp. this may be easily done by bruising the seeds in water. and passing the whole through a sieve, and afterwards spreading stout in a cool, shady situation to dry, after which it may be placed in papers until the time of planting in the month of April, At that season a small piece of ground should be selected for the purpose, and be made time by deep spading and raking the surface; the seed may then be ulanted in drills about a foot apart, scattering it thinly that the plants may not come up so crowded as to require thinning out to any extent. No other care is requisite than to keep the bed clear of weeds; they will produce fruit in the see and or third year, when such as are worth preserving should be marked, and the remainder rooted up and thrown away.

Situation .- The current is perfectly hardy, and will grow in any situation, whether exposed or not; but it produces the largest and best fruit in a sheltered garden, not expused to high winds. In warm and sunny borders, the fruit is ripe carber, and is comer gone, then when growing in partially shady situabushes until the middle or latter part of September. Even within the shade of trees we have had very but truit : but we would not select such a sout to raise the best. Besides a few bushes set out for the exprespurpose of having fine fruit, the current may be dis cributed in any part of the garden whore a bush will fill up a vacant spot; they may also be trained against icnees, in which situations they bear good crops.

Soil .- The current will grow in almost any good garden soil; but that in which they produce their fruit in the greatest perfection is a deep, rich, mellow loam, somewhat most; very stall clayer soils are the least adapted to this fruit. In sandy soils the fruit is earlinonpied to this fruit. In sandy sons the fruit is earn-er, but the crop is small, and soon gone. When it is the object to produce very superior fruit, the soil should be staked out, and then covered with three or tour metics of good old decomposed manure. It should then be trenched eighteen or twenty inches deep, placing the top spit and the manure at the bot tom of the trench. When the bed is settled, a little manure may be day into the surface, and it will then be ready for planting.

Raising Young Plants .- Cultivators who wish to make large plantations, and are desitous of raising their own plants, can easily do so. The enttings should be plante lout in April, just as the buds begin to push, selecting a shady border, and planting them tive or six inches apart; the cuttings should be about a foot long, of the preceding year's wood, healthy and vigorous, and cut off directly below a joint. If the bushes are to be grown in the manner of small trees, with one main stem, all the eyes should be cut out but the two top coes. Planted out in this manner, they neake postty plants, which may be removed to the

finitens be I the following year.

Plant ug O.t.-The period for planting out is any time after the fall of the leaf in autumn, until severe first, and carly in spring before the buds have posted o turns to show their flower bads. In dry situations, October is probably as tay rable a season as can be selected, as the plants start into leaf very early in the soring, often before the cultivator thinks it time to p'ant out, and a season is lost; but if the ground is inclined to be wet in winter, the early part of April is the best sea on. The modes of planting are various, some preferring to place them on the borders of walks, and others in hels by themselves; we think the best plan ie, when many plants are wanted, to set quert a small piece of ground for their exclusive growth; but whatever atuntion is chosen, prepare the soil as above directed. The proper distance at which plants should be planted, is six feet apart be-(ween tae rows, and four feet from plant to plant ; less distances than these will do, but the chances of pro-curing large fruit will be less. To plant nearly, a me should be stretched across the bed; at the proper

t against the line . spread out the roots carefully, and cover them with fine earth, making it firm around the oots, and treading it lightly when finished; give each plant a pot of water, it dry weather at the time of planting. Keep the surface of the soil loose, and lear from weeds, by occasional boeings during the amminer.

Pruning -Next to a good tich soil, pruning is the most important thing to be attended to; neglect in his respect will be sure to cause disappointment to the collivator who expects large and fine fruit. oranches will shoot up thick and weakly, and, if not attended to, and die superfluous ones cut out, the bush will be so crowded as to produce only a quanmy of balf formed clusters, with a lew small berries.

It is known to many cultivators, though perhaps not to all, that the current bears its fruit both upon the young wood of last year's growth, upon that of the second and third year, and also upon the little spars which spring from the older shoots; but it is only upon the young and vigorous wood of the preceding ear that fruit of superior size and beauty is obtained. Knowing this fact, the cultivator may proceed with his printing, which may be done at two seasons, both

Winter and summer, viz: - Winter Pruning. - The first of ject should be, after the plant is set out, to see that it is printed so as to form a handsome head; and, first, we may premise that it is the intention to prune them in the best method, that is, with single steins, like trees in miniature, from which the bianches fork out at the distance of a foot or more from the ground; this will prevent the continual growth of suckers, which not only injure the fruit, springing up as they do the whole season, but destroy the beauty and regularity of a whole planta-Winter pruning may be performed late in the autumn, or early in the spring : as the current has extremely buttle shoots, some think it is best to prune m the fall, and by thus shortening the branches, to lessen the danger of the heavy snows breaking them down. Commence by cutting clean out all the cross shoots, leaving only those which spring up regularly. The strongest branches of the old wood should be shortened to six or eight inches, and the weaker ones to very short spars; the new wood made during the summer should be also shortened to four or five buds The principle ever to be kept in mind is, or junta. to have the head of the bush supplied in all parts with a good proportion of new wood every scason; and tors can only be done by cutting away the older branches after they have horne one or two crops, and encouruging the growth of young shoots from their base; at no time should the head of the bush be allowed to extend more than three feet in diameter, and three rect high.

Summer Pruning -- This consists only in looking over the plants, ofter the fruit is well formed, and nipping off new shoots which are growing up where they are not wanted another year; by so doing, an abundance of our will be admitted to the centre of the bush, without which the truit would be inferior. Some cultivators recommend shortening the hearing branches to within a few eyes of the fruit, as soon as it turns color, but of the advantage to be derived from this practice we have some doubt. If any suckers spring from the root, they should be cut off clean to

Insects. - The current has but few cucmies in the insect tribe; the most injurious is the borer, (. Egeria tipuliformis,) which enterts way up the centre of the stems, causing great debility, and eventually mearly destroying the plants, or at least incapacitating those from producing any thing but very small and poor fruit; the bushes are also in danger of being roken by light winds or with heavy crops of fruit, The best preventive for this insect is to keep the plants in a vigorous state, and well supplied with strong young wood, as it is only in the older branches that the borer commences its ravages. When they once take possession of the bushes, entout all the o d shiots, especially such as are in any way decayed, and encourage only strong new wood; the aphides, or plant lice, occasionally infest the leaves, but these may be enaily destroyed by one or two washings of whole oil sonp.

General Observations. - The French cultivators re-

commend the forming of new plantations every five years, an Imaintain that, unless this is attended to, the fruit will be small. We have no doubt that the fruit would be somewhat improved by such new plantations, but still, if the old bushes are judiciously pruned, the soil kept well manured and tilled, the o will be little necessity of planting out so often.

The fruit generally begins to ripon about the midstood, it may be applied to any improved varieties. distances put down a small stake, then communed die of July, and continues in perfection until the mid-which may be cafter take the place of those that are taking out the earth; now place in the plant, setting die of August, and in some shady cituations as late as October. If the bushes are exposed to birds, they may be projected by covering them with nets of

We close this article with descriptions of the mosesteemed varieties that are at present cultivated, following he arrangement in the London Hortrenburgh Somery's Catalogue. The Red Dutch, Whole Dutch, and Black Naples may be recommended for rmall gardens, where there is but little space,

DESCRIPTIONS OF THE DIFFERENT VARIETIES.

1. Common R.J.—Find medium size, clusters rather small, good thwored, and tolerable bearers,

2. R.d Datch.—Synonymes, Large Red Datch, New Red Datch, Lage Red, Large-branched Red, Long-branched Red, Morgan's Red, and Red Grape -Clusters long, berries large, growth of the plant strong and upright ; Exceedingly productive, and one of the very best sorts.

3 Knight's Sweet Red .-- Said to be a very fine

4. Knight's Early Rel -- Rather early: clusters and berries medium size; color deep red; flavor rich and gool. We fruited this variety the present year. 5 Knight's Liege Late Red -- With very large berries, o. a deep red color; a superior kind.

6. Champagne -- B tries of a very pale red; clus ters medium size; this fruit is rather acid, but makes a very good variety for the table, from its delicate color and transparent appearance of the berries.

§ II. WHITE CURRANT.
7. Common White.-The old kind of our guidens; clusters and berries medium size.

8. White Datch - Synonymes; New White Dutch. Jeeves' White, Morgan's White. White Conystal; White Leghorn; Pearl White.—This is the finest of the white currents: the clusters are very long, and the borries very large. The wood grows apright and strong; exceedingly productive and fine.

§ III. BLACK CURBANT.

9. Black Nuples.—Also called the New Black; the fruit is very large, often two inches in circumference; clusters large, and abundantly produced; flavor good. This is the best of the black firmited ones. Leaves smooth.

19. Common, Black English ,-- This is a very good variety, with large berries; it makes a fine jelly, which is highly esteemed for its med cinal qualities

11. American Black .- Similar to the last, but is not quite so productive.

Knowledge is Power.

In a late admirable report by Horace Mann, Esq., Secretary of the Board of Education of Massachusetts, the following striking exemplification is introduced of the maxim that "knowledge is power,

" M. Redelet, in his work, 'Sur l' Art de Batir,' gives the following account of an experiment made to test the defferent amounts of force which, under different circumstances, were necessary to move a block of squared granite weighing 1,080 lbs.

"In order to move this block along the floor of a roughly chiselled quarry, it required a force equal to

"To draw the same stone over a floor of planks,

it required a force equal to 652 lbs. "Placed on a plaiform of wood, the requisite force

was reduced to 182 lbs. Placed on rollers of three inches in diameter, and a force equal to 34 lbs. was sufficient

" Substituting a wooden for a stine floor, and the requisite force was 28 lbs.

With the s me rollers on a wooden platform, it

required a force equal to 22 lbs. only.
"At this point," says Mr. Mann, "the experiments of M. Redelet stopped. But, by improvements since effected, in the invention and use of loco motives on radroads, atraction or draft of eight pounds is sufficient to move a ton of 2,240 lbs.; so that a force of less than four pounds would now be sufficient to move the granite block of 1,080 lbs., than is, one hundred and eighty-eight times less than was required in the first instance. When, therefore, merc animal or muscular force was used to move the body. it required about two thirds of its own weight to accomplish the object; but, by adding the contrivances of mind to the strength of muscle, the force necessary to remove it is reduced more than one hundred and eighty-eight times. Here, then, is a partnership, in which mind contributes one hundred and eighty-eight shares of the stock to one share contributed by muscle; or while brute strength represents one man, ingenuity or intelligence represents one hundred and eightyelght men .- Nat. Int.

The following statement thate a part of the Logtine of James South of Deanston, on Subsoil Plough ing and Draming. It may surprise many of our fermetato learn the expenses of cultivation in Great Britain: and we think it will not surprise them less to see the results of such cultivation. The extraordinary profits of the New Husbandry compared with the old system are astonishing; and exhibit the healthful and liberal compensations of science, skill, judicious expenditure and well directed labor. They should serve to electrify some of our farmers, who are entistied with a crop of twenty bushels of wheat and forty of Indian Corn, and other crops on the same scale .-- Ed.

I have received from a landed proprietor and practical farmer in Avieline, the following statement of the results which have attended the practice of thorough drawing and subsoil ploughing, according to this sys-

IMPROVED MODERN HUSBANDRY COM-PARED WITH THE OLD SYSTEM.

The following important facts have been communiented to the Directors of the General Agricultural A-sociation by a very experienced practical agricul-

I -OLD SYSTEM.

Statement showing the expense of cultivation of, together with the return from, an aere (Scotch) of cold, stiff soil, with a hard retentive sub-soil, before improvement by draining, &c.; lease for 18 years;

rent, 25s per acre.			
60 bolls lune, at 10d. per boll	£2	10	
Coming and spreading	1	10	
Fasterop-ploughing, seed, and harrowing	1	18	
Second do do	1	15	
Grass seeds and harrowing	0	10	
Rent for six years, at 25s	7	10	
	_		

	£15	13	-0
	Return of a Six Year's Rotation.		
	1st-5 quarters oats (with straw)£6	0	0
	2d - 5 do do 6	0	0
ì	3d -85 stones hay, at 3l. per 100 stones 2	11	(
	4th- Pasture, at 20s I	0	0
	5th- Dato " 1	-0	-0
	6th-Dato " 1	()	0

£17 11 0 The same repeated till the end of the lease, the

land getting worse instead of improving.

II .-- NEW SYSTEM.

Statement showing the expense of improvement, cultivation, and return from an acre of the same land, during a lease of 18 years; rent the same.

Expense of the first Six Years.		
Draining with tiles at 15 ft. interval, 25		
in deep; tiles 21s, per thousand£7	0	0
Lime, carting and spreading 4	0	0
Ploughing, harrowing and seed 1	18	0
Second cropploughing, harrowing, and		
800d 1	16	0

	£14 14 ()
Expense of Green Crop, viz. Sub-soil and other ploughings£4 0	0	1
Grabbing, horse hocing, and	U	1
1 10	0	١
Dung, 10l; lime, 1l, 5s 11 5	0-16 15 () [

Dung, 10l; lime, 1l. 5s 11 5 0-	16	15	0
Ploughing for wheat and seed	2	6	-0
Grass seeds, barrowing, and rolling	1	5	()
Rent for six years, at 25s	7	10	0
Interest on expense for dinining for five			
years, at 5 per cent, per appropriate	1	15	0

£44 5 0

£49 15

	Return of the first Six Years.		
	1st -8 quarters oats (with straw)£10	0	0
	2nd—8 do do 10	0	0
	Scd -Potatoes 1; turnips, 2, at per acre. 11	0	U
į	4th -4 quarters wheat, at 60s	0	0
İ		15	0
ı	6th - Pasture, at per acre 2	0	0

Expense of the second Six Years.			
1st —Ploughing, barrowing, and seed£ 2nd— do do do	3	12	-
2nd- do do do	1	10	
3rd -Green crop, without subsoil plough-			

5th — Grass seeds, butrowing, and rolling. 1 5 Kent for six years, at 25 7 10 Intercet on draining, six years 2 2 3					
Reart for six years, at 25 7 10 10 10 10 10 10 10	-	4th -Ploughing for wheat and seed	. 2	4	0
Intercet on thaining, six years 2 2				5	()
228 288 289				10	0
Return for the second Six Years 1st - 9 quarters outs (with straw) 11 5 2nd - 9 do		Intercet on draining, six years	. 2	5	0
1st = 0 quarters outs (with straw) £11 5 2nd = 0 do 11 5 2nd = 0 do 12 0 do do 13 0 do do do do do do do	,			3	0
1st9 quarters outs (with straw) £11 5 2nd -9 do do 11 5 3 3rd - Green erapsnt least 12 0 4 dh5 quarters wheat, at 69 - 15 0 5 th200 stones hay, at J.; foggage, 54 6 5 0 thPasture, at per acre 2 0	v	Return for the second Six Year	S		
11 5 6 6 6 6 6 6 6 6 6		1st 2 quarters onts (with straw)	£11	5	(
4th = 5 quarters wheat, at 69 15 0 5th = 200 stones lay, at A. (s. foggage, 5 6 5 6th = Pasture, at per acre 2 0		2nd-9 do do	11	5	-0
4th5 quarters whent, at 69	ı,	Grd — Green cropn: lenst	12	()	•
6th — Pasture, at per acre		4th -5 quarters wheat, at 69	15	0	(
6th — Pasture, at per acre	. !	5th -200 stones lay, at . I.; foggage, 5s.	- 6	-5	- (
		6th Pasture, at per acre		0	(
	ř		C57	15	(

The expense and return of the third six years will be much the same as that of the accoud.

ABSTRACE

	1	Unimproved Lands.		
Expense	during a	lease of 18 years£16	19	(
Return	do	do 52	13	0

Profit per acre during the whole lease . . £ 5 14

Expense of t	be first six second	yearsdododo	23	3	0

			361111	,,	
do	bnessa	yenrsdo	. 57	15	0
do	third	(l*	. 57	15	_

£165 Profit per acre during the whole lease .. £ 64 14

The above system of cropping is not one to be generally recommended: it is merely adopted because generally followed. If the four or five course rotation were adopted, the profit per acre during the lease would be considerably above the sum mentioned.

Inquiries in reference to Daniels' Manure, and likewise Gypsum-addressed to the Royal Agricultural Society.

Mr. T. Smith, Secretary of the Board of Agriculture of Nova Scotia observes in reference to Daniel's

"Is the new Patent Manure composed of pulverized wood saturated with bituminous matter, united with soda and lime, of more value than the lime and soda used without the other articles? Soda is certainly a We have in powerful manure, but too expensive. Nova Scotia large tracts in which the soil contains so much fron vitriol, (that is green coppens-rust of iron united to oil of vitriol, chemically termed sulphuric acid) that lime in such quantities as are commonly used, has no sensible effect; but on such soils, of ster shells, coral-gravel, or old plaster, have a permanent good effect, owing probably to the quantity of earhonic acid gas which is disengaged from the calcarcous or chalky substances by the action upon them of the vitriol or sulphuric acid which is constantly forming from the decaying pyrites, or sulphuret of iron in the sub-jacent rock. Wood ashes, even after "leaching" by the soap boilers, make a permanent and powerful manure: they contain here a large quantity of sulphate of potash. It is observable, that at a great distance from the sea, eshes are of less value, while gypsum. which has no effect near the sea, is on many crops very useful in inland situations. It may also be ob-served, that very high winds here sometimes throw showers of salt wa or over the land, to the distance of twenty or five and twenty miles from the sea, the water being sometimes much salter than sea water when it falls. As the line that marks the situation where gypsum commences to be useful, is near that which hunits these salt showers, may it not be that the salt prevents the gypsum from operating?"

THE THAMES TUNNEL. - The whole of the tunnel, nearly 1,200 feet in length, is now completed, and will be opened in a very short time as a public thoroughfare for foot passengers; the workmen are busily engaged in creeting the staircase on the Wapping side, which is all that remains to complete this extraordinary work. The machinery, steam engines, and surplus materials are advertised to be sold by auction, by Messrs. Pullen, including the powerful apparatus called "the shield," by ments of which the work was accomplished. It is said to contain 150 tons of ing...... 12 0 0 iron, and to have cost £10,000.

Culture of Silk.

WARWICE, Penn., Sept. 11th, 1842.

MR. COLMAN-SIR :- By these few lines I propose to let you know what has been done with us in the silk business, only in the neighborhood of Lancas ter, this summer. Most of the persons who have fed silk worms, have succeded, as we feed none but the best stock, and tend them well, and give them plenty of good folioge. Experience is our best teacher. I have, during the last year, sold over one bundred lbs, of silk to a manufacturer in Philadelphia, and I expect to succeed far better the present year. Were it not for the want of good reelers we might go much faster ahead, as large quantities of cocoons are brought in here now to sell and to be reeled; but we must have patience until our own reelers shall have learnt their business. We have had to work against the wind long enough.

I will name now, some of my neighbors who have neceeded:

John McSummy, D. Eberly, raised of cocoons 8	56 lbs.
John Metzler	
R. & Henry Carsonnearly	6:H) 4
A. H. Harr	400 .
Michnel Glein	300 4
M. Warffelover	. 300 4
D. Mellingerover	. 200 4
M. Bushong	. 172 '
Many more might be named, who have	receive

from 20 to 100 lbs. of cocoons.

Yours, JOHN McSUMMY.

We could hardly receive a more acceptable letter than the above, abating its being written upon a vile sheet of deep blue paper, which rendered it almost illegible. Blue poper and blue ink are not to us among the luxuries of the age, and tax our eyes too severely; a tax which in these hard times we are very unwilling to pay. We hope our friend will let us have more of this same exact information; and we wish other gentlemen, in different parts of the country, would communicate the results of their operations. We have, by letter, solicited this favor of some from whom we are very impatient to hear. They have made their cocoons; now let them do their reeling and send us the thread. We shall know what to do

JERSEY PEACH TREES.

JERSEY PEACH TREES,

10,000 of the first Nurseries in the United States.

Some of the varieties are, Large Malacaton, Crwford's Early, Mignon Free Water, Large Malacaton, Crwford's Early, Mignon Free Water, Early Yellow Alberge, &c., favorite varieties in New York and Booton market. The L. rge Malacaton has been grown in the neighbothood of New-York, measuring 12 in cles in circumference. Crawford's Early h a been grown the present seas a near Boston, Mass, measuring 11 inches a neieromiference, they are considered to the Nursery of Joseph B. etc. Key Front, Momontheon, N. J., or at the Nursery of Mr. P. Smith. East Nee Ilsun, Mass, wift receive prompt attention.

A libe all credit gives for large edges with good reference of the property o

A libe all credit given for large orders with good reference. If Several thousand of these trees will be at Rechester about the 10th November. nov1



ISABELLA GRAPE VINES,

ISABELIA GRAPE VINUS,

F propace age for forming yoney risk, propagated from and containing all the good qualities we left the most improved cultivation fo over ten years has conferred out interiorized at Croton Point, are now offered to the public. Those who may pirochase will receive such instructions: a will enable them to out tivate the Grape with entire success, will enable them to out tivate the Grape with entire success, will enable them to out tivate the Grape with entire success, will enable them to out tivate the Grape with entire success, will enable them to out too far North). All communications no t paid adhersect to R. T. UNDERHILL, w. D. 40 Broadway, N. Y. Will receive attention. He fe is 40 Broadway, N. Y. Will receive attention. He fe is a superiorized the character and havits of the grane of the grane for the grane of th

JUST PUBLISHED.

IMPORTANT TO FARMERS, &c.-LEBIG'S AGRI-CULTURAL CHEMISTRY, Price 23 cents-five cop-

tes for one dollar,

This is a work of inestimable value to every class of our citizens, but more especially to Farmers and Gardeners. It will be assued in a double number of the New York, in eautiful octavo form, and sent at newspaper postage

cautiful octavo form, and sent at newspaper lostage troughout the country. As work has ever appeared in the English language, possessing the ability and mivenest of Lena, of source treat. Chemistry; and not a Farmer in the Union but should obtain a copy, though it were to cost five dollars, inseed of twent.—five cents. The following extracts from the preface will show more fully the nature of this work:

"I have endeavored to develope, in a manner correspondent to te present state of scener, the fundamental p inciples of C compty of general, and the laws of organ c Chemistry in partner ar, in their application to Agreedities and

ent to t e present state of securice, the funuamental pi incipies of C emirty in general, and the laws of organ c Chemistry in particular, and the laws of organ c Chemistry in particular, and the laws of organ c Chemistry in particular, and the cause of the conversion of wood fline in the wood and numeral conflict conversion of wood fline in the wood and numeral conflict conversion of wood principles, and mastan and the causes of their action of security of the wood and the causes of their action of the conflict on the conflict of the c

pendent on their influences. The diseases incident to the period of growth of ma, contagon and contagions matter, have their anningies in many chemical processes. The one-sets and the chemical con-exion sobisi-ing between the contagions are contained proceeding in the itying body, and the trans-solution proceeding in the itying body, and the trans-solution proceeding in the itying body, and the trans-solution of the contagion o

IF Agents posturas ers, and an others, are real take an interest in the circulation of this work. Carmer will take a copy if solicited, and its importance in de known to them. Bookse lers will find it profitable to order supplies. Terms, \$16 per hundred, and in proportion for 25 course. known supplies. T thress orders (post paid) to 12. J. WINCHESTER, 30 Ann-at. Nov 1, 1512.

MOUNT HOPE GARDEN & NURSERIES.

ROCHESTER, NEW-YORK.
THE Proprietors of this Estab Ishment offer for sale a ge-This Proprietors of this Estab Islament offer for sale age-neral assortment of Nursery articles, comprising Pruit and Gruanental Trees, Flowering shrays, iterlascous Prins, Tullys, Hyacinth, and other Bol ous Flower Rous, Double Dablins, &c. &c. They have also on hand a large and fine collection of They have also on hand a large and fine collection of the property of the property of the property of the second Monthly Rouse Prins including Geranium, Chi-nees Monthly Rouse and Prins in Papora, or, Chin.ess Azaleas, Came Jasumers, Cacquese, Ger

ape Jasunnes, Cactuses, &c. &c. Orders for any of the above articles, whether large or Odders for any of the above noticles, whether large or small, will be promptly and faithfully evented, and charges in all cases will be vely moderate. Persons ordering from a distance may rely on having their art cless secur by packed and marked and shipped as their griders may designate. To such persons as are about forming new establishments or who may wish to dispose of Trees. Shruls, Plants, &c. in their neighborhood, our terms will be very liberal. Gardens and Pleasure grounds will be hid out on any part of the control, and latting gardeners furnished on reasonable notes and information on any subject connected with III is expected that persons unaqualitied with the proprietors will either accompany their orders with a rein time or name a guar nate in the city of Rochester or vicinity.

ELLWANGER & BARRY.

Ro hester, Oct. 1, 1812.

Ro hester, Oct. 1, 1842.

N. B. Our Fruit 1 rees comprise the most desirable early and late varieties, and the utimist care has been tak in in propagating from such trees only as were in a hearing state and whise qualities have theen sufficiently tested. Priced Catalogues will be forwarded grafts to all applicants.

B. BATEHAM respectfully informs his friends and M. enstoners, that he has disposed of his business, and side of leaving this place soon for the benefit of his eith; he therefore carrestly solicits all who are indebted to him to make immediate payment, in order that he may

cambled to "Do usto others." &c.
the husine's of the Rochester Seed Store will be contind by C. F. Crosman, whose experience in the business and facilities for growing Seed, entitles him to the confidence and patronage of the pub ic.

Mr. Henry Colman will continue the Genesee Far-Oct I. mer.

ROCHESTER SEED STORE AND SEED GARDEN.

NEW ARRANGEMENT—C. F. Grosman having pur-classed the outro-business and effects of the Rochester. Seed Store descres to inform the Agents and Customers, and all who may wish to patr nise the establishment, that he is sow bringing in from his large Seed Garden on Montro-street, a complete assortment of such seeds in a ret best rais-cit in this climate, and he will inness few the feet seeds in store), a complete assirtment of such see Is as are best raised in this climate, and he will import from the first seedance or Europe and elsewhere, such kinds as are better raised in thoso much stored for such as a tory to the public

Rochaster, Oct. 1. C. F. CROSMAN.

BUFFALO NURSERY.

THE stock now of the side is much larger than at any former of old and for side is much larger than at any former of old and for side is much larger of the any former of the any former of the angle of

Of ornamental Trees, Flowering Shrubs and Pl. 105, a fine assument, comprising almost every desirable articles in this deportment. A large stock of Green-house P ants.

I also offer for sale 25 000 Apple Trees of one year's growth from the gr. for recovered to the sale and the sale of the

tion. Trees or Plants packed in superior order and shiped at Buffilo on heard of any steamhoat, vesse: or canal boat required. Catalogues gratis to every applicant.

Buffalo Aug. 1812.

ROCHESTER PRICES CURRENT. Corrected for the New Genesee Farmer, Nov 1.

WHEAT,per bushel,\$ 75 a \$	77
CORN,	40
OATS, " 15	17
BARLEY, " 38	
RYE, 44	50
BEANS, White, " 75	•
POTATOES, " 15	18
APPLES, Desert,. " 19	25
FLOUR, Superfine, per bbl 3,75	
" Fine, " 3,00	
SALT " 1.121	
PORK, Mess " 8,00	
** per 100 lbs 2,50	-,
BEEF, per 100 lbs 2,50	
POULTRY,per lb 5	6
EGGS,per dozen, 9	10
BUTTER, Fresh per pound 10	123
" Firkin, " 8	9
CHEESE, " 5	6
LARD, " 7	•
TALLOW, Clear, " 7	8
HIDES, Green " 4	41
PEARL ASHES, 100 lbs., 5.00	5 50
РОТ, " " 4,75	5,00
WOOL,pound, 20	25
	7,00
GRASS SEED,bushel, 1,00	1,25
CLOVER SEED, " 5,00	6,00
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[From the N. V. Tribune.]

NEW YORK MARKET-October 29.

From the N. Y. Tribune.]

NEW VORK MARKET—October 29.

ASHIS—The market is still dult; and we only hear of about 40 bibls Pois, at \$5.50, and 50 bibls Pearls at \$5.57, 1-2.

PLOUG—Treer is a pretty rood demand to-day, and the receipts are not ve v large. The sales for the last few days receipts are not ve v large. The sales for the last few days except the market of the has gone into store, have nearly eleared the market of the has gone into store, have nearly eleared the market of the has gone into store, have nearly eleared the market of the has gone into store, have nearly eleared the market of the has gone into store, have nearly eleared the market is in fair demand. Of his, \$4,183,4 and 4,25. Rye Flour is in fair demand. Of his \$4,183,4 and 4,25. Rye Flour is in fair demand. Of his \$4,250, at \$2,51 and \$2,52 and \$4,251 and \$2,52.

We good \$2,550 at \$2,51 and \$2,575 at \$3,25.

Distribution of the has gone in the hard of the hashest inferior Genesee, at \$0 cts. There is but little demand for shipment, and the millers offer low prices. Rye costinues scarce, and we notice sales 1,530 bushels at \$2 cts. Inter is an improvement in Com, and nearly all \$2 cts. There is an improvement in Com, and nearly all \$2 cts. There is an improvement in Com, and nearly all \$3 cts. weight; and \$5a, 56 cts measure. Com, and nearly all \$3 cts. weight; and \$5a, 56 cts measure. Com are not very penty, and a prime artice is bringing an advance. We quote \$3 a 2 sets.

PROVISIONS—There is a fair husiness doing in barrel.

inte 25 n 28 ets.
PROVISIONS—There is a fair business doing in barrel Provisions—There is a tail business doing in parter Provisions at full rates. Several hundred libbs Pork have sold at \$3.50 for Ohio, and \$9 for Dutchess County. A lot of new Mess Beef sold at \$7, 24-2 and \$7,25.

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PRINTED FOR THE PROPRIETOR, M. B. BATEHAM, By Henry O'Reilly and John L. Reilly, Book and Joh Printers, and Publishers of the "Rochester Evening Post" and "Western New-Yorker."



B. BATEHAM, Proprietor.

VOL. 3.

Rochester, december, 1842.

NO. 12. HENRY COLMAN, Editor.

IMPORTANT ANNOUNCEMENT!

the Farmers, the Subscribers and Friends to the New Genesee Farmer.

The world is full of changes, and in the language the old play; "we know what we are, but we do know what we shall be." The proprietorship of paper has now passed into the hands of C. F. sman of the Rochester Seed Store, well known his punctuality, uprightness, and interest in agritural improvements, to this community, and of E. epard, an experienced and respectable publisher in city, of established character. The reasons for charge will be given below, and the subscriber s a strong confidence that its good character will fully maintained, and his hopes are as strong that usefulness will be extended

t will be seen from an advertisement in another t of this sheet, that he contemplates a Tour in rope for the purpose of looking at the agriculture the agricultural institutions and schools of the I world, to ascertain what is worthy to be aslated to the New, The practicability of the prowas not ascertained until since the last number of N. G. Farmer was issued. It is now determined, vidence permitting, that the subscriber leaves for rope in the ensuing spring. It is expected, unpresent arrangemen's, that Mr. Colman will conae to edite it for the first third of the year; and re in afterwords a regular contributor to its columns he close of this volume; and that when it passes n his supervision, whether it be sooner or later, it I be edited by such as are perfectly competent to ke the paper all that its best friends can desire it uld be. No part of that which will go into his agiltural Tour will appear in this paper, for this ald be unjust to his subscribers; but there will be ny other valuable topics of conversation and inry in which he promises himself the pleasure of eting them; so as to keep the chein of friendship ght and unbroken.

He strongly hopes that their patronage will be erfully continued; and that every subscriber will erest himself to procure others, so that the list, as ought to be, may be doubled.

The price will be one dollar. It cannot be affordfor less, and remunerate or save from loss those io edite and publish it. Where twenty copies taken, the year's subscription will not exceed enty-five, cents. What is this compared with equivalent in useful instruction to be obned from it? This is not two cents a week for teen pages of closely printed matter per month, king, if it were published in the common form, a ge duodecimo volume. Let us look at other illustions of the case . for when any object to paying Jollar or seventy cents for the Paper, we connot nk that they look at the matter in a fair light. A shel of wheat ordinarily pays for the year's subiption. Is this anything compared with the intrinvalue of a paper, which may in many cases, im-

ther, I have within the last year been often struck with one fact. In going into a public house or hotel in most parts of the country, we are charged half a dollar for a single meal, breakfest, dinner or supper, and the same for lodging; so that whenever I took a meal of any such place, I was compelled to say to my self as soon as I opened my mouth, down goes one subscriber for the N. G. Farmer; and if my business or convenience required me to stay two or three days, why then I eat them by dozens, like a hungry man making a meal of small fish, or of ground sparrows or snowbirds. I was often led to reflect, does t whole year's paper come to no more than this? Look again at the euse-I cannot go into my office or traverse the streets of this goodly city without being fumigated with tobacco smoke, and without meeting continually with people who, I think, ought to be indicted under the statute as public nuisances, who go shout smoking themselves and smcking others with odious segurs. I dare say this may be very pleasant to them and is deemed a precious luxury; I do not wish to detract from the happiness of any man, but how infinitely higher are all pleasures connected with the mind, than this low, sensual and selfish gratifics. tion; yet the saving only of one segar a week, think of it, would give them the New Genesee Farmer a whole year even at its increased price; and more than thie. Now, I have often said to myself, can it be that this is all that is asked for such a boon? Then again if really puffing is so delicious a pleasure, why let them honestly leave off smoking and become subscribers to the Farmer; and we will promise to give them such a puffing in our columns as shall do them good all the days of their lives, and be redolent with the most precious odors which taste and skill can compound; odors as different from those with which they compliment their unoffending neighbors, as the perfumes of Eden are superior to the sulphuretted hydrogen of a pig stye.

I might give other illustrations. One year's product of a good Have of bees, which demands little more trouble than that of taking out the honey, will in many cases pay at once five years subscription to the Farmer, and this intellectual hive we promise to store with honey gathered from the flowers of every clime, as nutritious to the mind as it is delicious to the taste. Pardon me if I say further, that there is not a farmer in the country, though so poor that his whole live stock amounts only to a single pair of barn yard fowls, who demand nothing for their support but chaff and worms and grasshoppers, who will not find these humble friends, if he will only allow them to go to housekeeping and rear their family in a sober and regular way, like all respectable people, ready in all probability, to pay more than two years' subscription for the paper in a single season. What shall we think then of a farmer, who, under such circumstances, will presume to say that he is too poor to take this paper? So a single sheep, mutten headed as this amieble class of beings are, and never suswe your cultivation by hundreds of dollars? Fur- pected of being the patrons of literature, excepting

as their skins may be converted into parchments for writing, or leather for the covering of books, may at once become a subscriber to this new paper; and in her wool or her lamb, will be ready to honor at sight the printer's draft.

Now then in reply to a respected correspon-DENT AT WHEATLAND, WE HAVE POINTED OUT PIX DIFFERENT WAYS OF PAYING FOR THE N. G. FARMER.

FIRST, by one bushel of wheat taken out of your five hundred, to be charged to the account of seed sown, from which you are to reap fifty fold.

SECOND, by saving two meals at a public house in the course of the year; in which case a good dos! more is often saved than the cost of the meals.

THIRD, by limiting yourself to nineteen segars instead of twenty in the course of the week, by which means likewise, there would be something saved to your health, to your good manners, to your neighbor's comfort; and to your country's reputation, if Mr. Boz should come this way again. O 1 the Dickens, you'll say.

FOURTH, by raising a hive of Bees, whose twenty or forty pounds of honey and a swarm to sell, may pay several years subscription, besides the beautiful example of industry, which these little folks will exhibit to the other little folks of the family; and the pattern of a well ordered community, so instructive to vourself as the citizen of a republic.

FIFTH, by the suitable encouragement of one Mr. Cockerel and his spouse, who, enjoying your protection but demanding nothing from your purse, will jointly produce eggs and chickens enough in the season to make the editor crow as loud as ever one Cosp. man (we think that is the name, though we are no peliticians) ever erowed in a log-cabin campaign.

SIXTHLY, by setting aside one sheep in your flock of hundreds, who is to be considered in the family as the patron of agricultural literature; and consequently to be treated with all the respect and kindness due to so useful a personage.

We might point out one hundred other ways on the farm in which the paper may be paid for without a consciousness of its expense; and with a hundred per cent, profit in the exertion : for there is scarcely a child five years old, in a farmer's well ordered family, who may not pay for the Farmer with a week's knitting, and with all advantage to their own educa-

The publishers of the N G. Farmer engago to present it with the commencement of the New Year, in a new and handsome dress. They promise in its preparation the best services which they can The pleasure and profit which it will bring procure. to the farmer's family and children they believe will be worth fifty times its cost. On public as well as private grounds, they hope the formers will encour-The press is the most powerful engine, which art presents or human ingenuity can devise, for the What farmer then advancement of any good cause. deserving a place in that most honorable class, will withold his sid on any occasion from the advancement of agriculture, a cause among the most innocent and the most useful, the very foundation of human subeistence, the spring of some of the purest pleasures which the heart can take in, the guardian and promoter of good morals, the great instrument of civilization and the pioneer of religion.

HENRY COLMAN Rochaster, Dec. 14th, 184?

Silk Culture.

The following communication we acknowledge with pleasure. Men are shaws willing to boast of their success, but few men are brave enough to tell of their mistakes and failures, which are often more useful and important to be known than their successful results.

In some respects we cannot agree with Mr. Cook A prepared, finished and furnished cocoonery, well adapted to ventilation and warming at pleasure, is undoubtedly to be preferred; but within our knowledge good silk and an abundant product have been obtained in feeding in vacant barns and granaries. We recommend a well built cocoonery, believing that the cultivator will be in the end fully compensated for the expense and outlay; but at the same time we would not have poor and small cultivators prevented or discouraged in their operations, because they have not the means of at once creeting a well finished cocoonery. In Mansfield, Ct., where silk has been successfully raised for seventy years, such provision is scarcely known. That the time of feeding may by the best arrangements be reduced from six weeks to little more than three weeks is a very material consideration to recommend the best fixtures; and as by the improved French method, attention day and night, in order to the most rapid completion of the work. The disease, to which Mr. Cook refers, is a farmidable obstacle in the culture of silk. We cannot say from his account of it, that it is the disease known in Europe as the muscadine and which it has been said confidently, may be cured by a sprinkling of caustic lime upon the worms; but we know that a friend of ours, whose worms were diseased this season and died in great numbers, applied lime as directed without any perceptible benefit. We need much more information than we have in the case before we can pronounce on the character of, or the remedy for the disease, That the worm may be injured by feeding from the leaves of the multicaulis of one year's growth is not improbable, as we have heard from a very intelligent silk grower the same opinion strongly expressed.

In respect to the destruction of the Chrysolea we would recommend Miss Rapp's method of stilling them in a box with camphor; though we know those, who do it by steam in preference to all other modes without the inconvenience or ill effects which Mr. Cook describes. They are careful however in the case not to allow the current of steam to be poured directly upon the cocoons; but the cocoons receive it as it becomes gradually diffused through the box or vessel in which they are placed.

With respect to the insect, which Mr. Cook deacribes as performing the cocoons and materially injuring their value, we know at present of no certain preventative. This is not a frequent accident. An excellent silk grower of long experience however advises that when the cocoons are put away Scotch Ennfier tabacco should be put among them, as is done among woolen cloths in summer, to keep off the insects. This he thinks would prove an effectual security. It is a curious fact that there seems to be no animal, except the human, filthy enough to relish or rather not to be absolutely offended with this deteatable weed; and which in the vile habits of chewing and smoking with their peculiar accompaniments rendera its devotees in most cases a perfect nuisance to decent people.

We fully agree with Mr. Cook in the opinion that the silk culture can never succeed without peins-taking and exre and labor. Nothing good in life can ever be accomplished without these; and with these the silk culture is almost sure to return an ample compensation for all the labor and expense incured.—Ep.

Perry Farm, Solus F. O. d October 14, 1842.

HENRY COLMAN, Dear Sir:--Your letter, asking an account of my operations and success in the culture of silk, was received several weeks since. A multiplicity of engagements, both at home and abroad, must be my apology for the delay in answering it.

I have been experimenting in a "small way" in the culture of silk, about five or six years, preparatory to larger operations, which I hope to make next year; and the value of this communication, (if worth anything,) must depend upon the profits of experience in mistakes, errors, bad management, and misfortunes, more than upon the history of any very splendid or more than upon the history of any very splendid or successful results. I have not made in any one season more than about five bushels of cocoons; and the present, only enough to supply seed for another year, as I have been finishing off and plostering my cocoonery.

First, then, as to mistakes and errors I presume I was not alone in believing a great deal that has been written and said with regard to the ease of raising worms in barns, open sheds, &c. Of the talaity of this, at least in this climate, with our changeable weather, cold nights north-east storms. I have become thoroughly convinced. To ensure a reasonable degree of success a cocoonery ought to be finished off, and plastered to keep off rats, mice and other vermin; to be furnished with a stove to warm the room in stormy days and cold nights, and conveniences for ventilating in werm, close weather. For the want of artificial heat, the worms will be from 1 to 2 weeks longer in going through their several changes. Mine have lingered along forty or fifty days, while others fed in the neighborhood with the advantage of a close room and artificial heat, have wound up in thirty-two days; and this summer I had many of my millers carried off in the night by rate, bats or something else, before they had deposited their eggs. The worms if fully supplied, will cut almost incessantly with the exception of the moulting periods, from the time of hatching until they are ready to wind up, unless they are interrupted by a temperature so low as to benumb and stupify them. The time of this in terruption. I believe, must be added to their existence in the form of the worm, and that too whether the interruption is caused by cold weather or want of food. This reasoning i think will account for the fact, that worms thus treated, rise so irregularly; some are more vigorous and healthy than others, and consequently hetter able to withstand the effects of the cold; they therefore do not lose so much time.

I lost more than two thirds of my crop this summer by a disease which appeared among the worms after the last moulting, and just as they were beginning to ri e. On the appearance of the disease they ceased to eat, became stupid, and gradually assumed a oright vellow color. In the last stages of the disease, they would burst with the slightest touch, and emit a vellow liquid and a very offensive odor. I thought the further spreading of the disease was finally checked after it had carried off thousands, by carefully picking out all that showed any signs of the disease in their appearance, and throwing them away. I attributed the disease to the want of artificial heat in the cocoonery, and to feeding the worms with the tender succulent and young leaves of the multicaulis, after the last moulting. I have been told by one who pro fessed to know, that in this age, the worms should be fed only on the old and tough leaves; if this is the case, it will not do, as I have been accustomed, to cut the branches, and strew them entire upon the feeding shelves. Again, I find that the worms do better to be fed regularly and at least six or eight times in 24 honrs

It seems to me that it is to be desired that easier and better way of stifling the chrysoles all be devised than I have yet known of. I have baking, exposure to the direct rays of the sun, direct steaming; the first I think hardens the and makes them more difficult to reel, besider danger of burning the ecocon. The second is all eases effectuol; and hy the last process I land cocoons damaged or entirely ruined by the corsation of the steam on the lid of the steam-box, thence dripping on the cocoons. The steam softens the cocoons of much that they are liable bruised and injured in spreading them out to drintend the next season to try the vapor of slockspirits of turpentine.

Even after we have succeeded in raising the w and stifling the occoon, there is another enemy, er the bug or worm, which attacks the eccoons they have been put away out of the reach of mice rats.

A few days since I took down a bag containing bushels of flossed eccoons, which had been for a time hanging up to the rafter, as I supposed, in order and in perfect safety. Upon examination of them were found to be punctured with a a round hole about as large as a coarse knitting nee consequently, instead of realizing the full price flossed occoons, (§4,00 per bushel,) I was oblige to sell them for §2,00.

But after all this long story about failures and takes, I am by no means discouraged. I believe these difficulties may be surmounted by perse ance and greater attention, and it seems to me the great fault with writers on this subject host that they have labored to make the community lieve, that silk could be successfully made by the silp-shod and careless manner which obtains in a jority of the farming operations of the day; but not so. The business, to be profitable, must be attended to, and "whatever is worth doing at a worth doing well."

One of my neighbors, (L. L. Coleman,) has: ed a good crop of silk this summer, and without any cident. He showed me a few days since, se pounds of new silk of his own raising and reel which appeared to be of the first quality.

Yours, with much respect,

W D. COOL

P. S. I cannot close this communication wit requesting you to sound the note of alarm to the ners of the Former relative to the black canker plum trees. In a recent trip through a part of Way Cayuga, and Onondaga counties, I was assonishe the great extent and fattsl character of the dise From South Butler, in Wayne county, to Syrac in Onondaga county, I did not see a single p tree which appeared to be perfectly healthy, who saw hundreds that were entirely dead. What is cause?

W. D. C

Yates County Fair and Show.

The following intelligence, which we extract fi a Penn Yan paper, affords gratifying evidence the right spirit is at work in that quarter.

"The 20th of October was an asspirious day Yase county. The meeting at Penn Yan on I day was a gathering of her true nobility, viz: hard-fisted, intelligent farmers and mechanics. Sa meeting has a moral in it—it is a kind of pi which indicates the tone of feeling and interest when formers of the country have in their own pursu Judging thus of the meeting on the 20th, we can infer that the farmers of Yates country are beginn to feel and appreciate the nature and importance agricultural improvement and advancement. The was the second fair ever held in the country, and it yone every way worthy and creditable to the agriculties of the country. The improvement is stock sin

lass year was appeared to all. The mige number of tine blooded culves, colts, pigs, &c , on the ground, was conclusive evidence of the improvements which are going on, and which promise much for the inture. But to the Fair.

Tae day was not pleasant-cold, cloudy, but no rain. Early in the day, people began to make their way to Pena Yan; on every road might be seen the farmer with his stock seeking in the true spirit of emulation, the place of exhibition; here a cow and call, there a noble Durham bull, docile as a lamb and lead by the hand of a boy: and then again the quiet, innocent looking Saxony and Merino ewes, and the fine coated and prouder looking bucks; and with the lowing of the heards and the bleating of the flocks, was the less melodious voice of the grunter tribe, the Brikshires, &c. of our farmers. On they came, pre-

man and beast, each dressed and fitted for a gala day. At eleven o'clock, the various yards, now full, and to the looker-on from the steps of the Con t House, the seene was animating and full of interest; there in that moving muse, were the producers, the hardworking, wealth-oreating men of Yates county. Now came the various committees, and leaving them to their examinations, we will enter the Court House, and see what is there worthy of notice; and here comes the handy-work of woman, to cheer and enli ven the scene-the substantial uniting with the ornamental-the comforts commingling with the luxuries of life. Fruits and flowers, vegetables and plants, the products of the dairy and the spinning wheel and loom-here a splendid specimen of ingrain carpeting, with its many colors heautifully arranged-and there the arbstantial and tasty coverlet, bespeaking a timely preparation for the cold of winter; and then, as a chmax to the whole, the beautifully ornamented hearth rug, and the unsurpassed workmanship of the ottoman and stand rugs, with their finely wrought pretur s and representations, such as none but the taste and industry of woman could produce-and with these their bandy craft, was woman berself, the best and loveliest of all. Now, where shall we go?

Let us down for a time, for you perceive there is a rush for the Court House; the hour has come for the meeting of the society, to hear the address, reports, The house is now crowded and jammed fullthe President is in his seat, and the voice of the strong man has charmed the vast andience into silence and Well, the address is finished, and was it attention. not a good one-full of just sentences-of deep and well digested thought-of sound and wholesome advice, and of elevated and commanding eloquence? and take it all in all, style, manner and sentiment, it was the best, among all the good things, that we ever heard from Francis Adams. But we must hur-TV OIL-

The Monroe County Reports.

Mr. Colman having been necessarily absent during most of the past month, was numble to copy his Address for publication as soon as was expected. The pamphlet containing the address and transactions of the Society is now in preparation and will be ready for distribution very soon. The following are ex tracts from the Reports.

Report on Ploughing.

The committee on ploughing respectfully report,that the number of competitors on the ground was greater than they have ever before soen-seventeen having entered the field and several were disappointed on account of the whole ground that was fit being occupied. The show of teams, ploughs and plough eye, was highly creditable to Monroe county, and would have done honor to the oldest and richest connty in the state. But to speak of the work, the committee feel themselves maable to render that proise which the compe iters justly deserve; the whole 17 having performed their work, as we think, to the entire satisfaction of the most factidious and particular person that can be produced. The committee perambalated the ground for nearly two hours, before they could even satisfy themselves where the preference should be given, and it is perhaps a mere lottery decision as we have decided; so nearly perfect were a large number of the lands ploughed.

The committee came to the conclusion to prefer

werted without any my reference it any had to the straightness and motormity of the furrews; believing that the poorest ploughs leave the furrow on edge, and ordinary ploughs leave it half turned over and resting on its fellow. The committee are aware that a diversity of opinion exists on this subject, and they may be in error, but if so, it is not from any interested motive. They think the most perfect plough is the one that most perfectly inverts the furrow and buries every particle of the grass, particularly for tall ploughing and apring crops. The opposite opinion may with consistency be maintained for the ordinary summer fallowing.

The committee therefore report the following persons entitled to the Societies premiums.

The first premium to George Sheffer, with the "Premium Plough," held and driven by John Sell. Quarter of an aere ploughed in 42 minutes.

The second premium to Donald McNaughton, with the "Caledonia Plough," held and driven by Robt.

The third premium to Charles Burr, with the "Caynga County Plongh," held and driven by O.

The fourth premium to John II Robinson, with the "Livingston County Plough," held and driven by Limself.

To Robert II. Brown of Greece, the first premium for the best work done by oxen, plonghed by Joseph Brown, with the "Wisconsin Plough."

The committee dare not trust themselves to particularize, or bestow that ; raise that is due to others to whom they have not awarded premiums; as it would embrace every individual on the field; but they cannot omit to mention with great satisfaction, the work done by the Howard, Monroe County, Livingston County, Genesce County, Locklin and Scotch Ploughs, and the individuals who handled them. It is particularly gratifying to the committee, to notice the great attention and improvement in that part of the manipulations of agriculture which must be considered the base upon which the whole superstructure rests; and it speaks well for the county which has been selected as the Bruner County, where is to be held the great State Fair for 1843.

All of which is respectfully submitted by the com-

L. B. LANGWORTHY, C. F. CROSMAN. FRANKLIN CATE.

Extracts from the Report of the Committee on non-enumerated articles. ATWATER'S STEAM GENERATOR,

Stephen Atwater of Rochester, exhibited an ingenious Portable Steam Generator, a new invention of his own, that promises to be of great service to Farmera. With 6 lbs. of dry hard wood it will cause a barrel of water to boil in 20 minutes. Its cost is enly \$15. We award the inventor a premium of \$6.

NEW HAT ENITE, &c.

Measra. Barton & Smith of this city, exhibited a very choice collection of Cutlery and Farming Imple men's, among which was a new kind of Hay Knife of their own invention, which the committee believe to be a great improvement, and they recommend it to the examination of all who have use for such an article. The committee award each of the gentlemen a bound volume of the Transactions of the N. Y. State Agricultural Society.

OIL AND CANDLES FROM LARD.

The committee would close their report by calling the attention of the members of the Society to the lard oil and stearine candles, specimens of which were exhibited from a manufactory at Cleveland, O. These two articles must bereafter extract much attention the work where the furrow slice was most perfectly throughout the whole country. The land oil is already proves to be each year decreasing in statute.

a great deman; for machinery and manufacturing, and has been used in several of the light houses on the lakes, and is said to burn clearer and longer than any other, while the cost is only about one half that of sperm. It has lately been discovered that oil, equal to sperm, can be extracted from lard to great advantage. After extracting the oil, the stearing remains and forms o substance similar in every respect to sperinaceti, and the candles from this can be afforded tor from twenty five to thirty cents per pound. Those articles are already becoming quite common in the state of Ohie, where large establishments are engaged in manufacturing them, and where the nature and utility of these substances are generally understood, it will readily be seen that it must have a most important bearing upon agricultural profits.

ALEX. KELSEY, W. C. CORNELL, N. HAYWARD,

Rust on Wheat Straw.

It is stated in a communication on page I-17 of our last number, that cattle thrive much better on rusted than on bright atraw. The writer auggests that the rust affords positive nourishment; but is it not far more probable that its superiority is caused by the unthreshed grain, which, from the difficulty of shelling out, the rusted straw contains?

It is also suggested there, as well as frequently elsewhere, that a strong and sudden flow of sap bursts the straw. Would it not be simpler as well as more philosophical to suppose, that the external tissue cracks open merely from the action of outward moisture, as ripe fruits often do in rains,-instead of by an explosion? The opinion that rust is dried sap, is, I believe, satisfactorily disproved by the fact, that the microscope shows it to be a real fungus, a parasitical plant, with its several parts as distinct as those of a mushroom . And that this plant spreads by the seed, thus rendering the disease contagious, is proved by the facts stated in the communication of J. B. Bowen in the last volume of the Farmer.

From the Mark Lane Express.

Cheap Food for Horses.

A proposition has been made to the French Minister of War, by a M. Longchamp, to try a new method of feeding horses, which he asserts will produce a vast saving in the amount of forage necessary for the army. This gentleman proposes to make a sort of bread, three-fourths potatoes, and the rest oatmeal, with which the horses are to be fed in place of cate. The average quantity of oats for a horse per day, M. Longthamp estimates to he 10 lb., coating about 13 sous. He proposes to replace this food by 10 lb. of the bread made with outs and polatoes, the price of which will be only 5 sous, leaving a saving of 8 sous a day. As there are 80,000 horses in the army, a saving would arise on the whole of the cavairy of 11,680,000 fr. a year. M. Longchamp considers this food to be more nutritious than the food generally given to horses, for a great portion of the oats taken by a horse are imperfectly masticated, and therefore the nutritive qualities are allowed to remain Intent. Heat and meisture, he declares, are necessary to bring terth fully the qualities of the fecula of oats, and this can be procured most effectually by subjecting it to the heat of an oven, after having been moistened and well mixed up. Cakes of this kind have been long used in Holland with profit; and M. Longehamp expresses his surprise that potato-flour has not been more commonly and open'y mixed with bread; bakers, he says, being in the habit of using it. But this is not the only advantage to be gained by this proposition. A hactare of onta (21 acres) is worth about 92 fr, whilst one of potators produces 240 fr. M. Long-champ thinks that, if one third of the land at present under cultivation for onta were planted with 1 otatoes, five times a greater quantity of esttle could be bred in France. By this means butchers' meat would become chapper, and be within the reach of the generality of the inhabitants of the kingdom. The more generous niet thus procured would have a considerable influence, M. Longchamp declares, on the average height of the antives of France, which the recruitment of the army For the New Geneses Farmer.

Translations from the German. GRAPE VINE CUTTINGS.

M. Frischer, the superintendent of the gardens of the Duke of Weimar, employs with success, the following method of propogating the more choice varieties of wine and table grapes, by means of cuttings. He selects from among the stalks and branches cut away in fall and spring pruning, such as are of suitable dismeter-say from \$ to \$ inch.-and have well ripsned wood. Those he cuts in pieces midway between the buds, and splits each piece lengthwise, preserving the bad uninjured. The halves containing the bads are then placed with the flat side on a bed of well prepared garden mould, gently pressed down level with the surface, and covered with most, or o layer of fine less mould. Thus planted, the entings speedily strike root, if the bed he kept moist by eccasional waterings, and properly shaded, without obstructing the circulation of the sir.

Cuttings similarly prepared, though not split, readily strike root and produce vigorous plants, if their ands be dipped in melted sessing wax, and they be planted in good garden soil, covering them in to the depth of half an inch. The ground must be kept moist, and free from weeds.

GRAFTING.

M. Schroer recommends using a branch of common willow, an inch or two in diameter, in the following manner, as a matrix for receiving the grafts of such varieties of apple, pear or quince trees, as it is desira ble to multiply. Make longitudinal cuts or slits through the branch, at equal distances of 45 or 18 inches. Take grafts having two perfect buds, give the lower end the u-ual wedge-shape, using a keen knife, and insert them in the clits of the willow, making the lower bud sit close to the slit. Then bury the branch in a trench formed in good garden soil of such depth as will permit the upper buds to protrude just above the surface of the ground, when the trench is again filled. The ground must be watered occasionally if the sea son be dry, and weeds must be carefully extirpated whenever they appear. In the apring of the following year, the branch may be taken up and cut in pieces, leaving a small portion to each of the growing grafts-which are to be replanted in a nursery. The willow does not form a permanent union with the grafta; but merely supplies nutriment till the proper abrous roots are produced from the lower bud.

POTATOES.

M. Bellamy Aubert, of France, states, as the result of experiments continued during three seasons, that abundant crops of potatoes may be grown in poor clayey soils, by simply strewing the sets plentifully with rye-chaff previous to covering them with certh at planting.

Professor Vollker, of Erfwet, covers his potatoe sets with a layer of tanners' spent bark, two or three inches thick, before turning a furrow over them. He says he thus provides a loose spungy bad for the young tubers; prevents weeds from springing up and growing in immediate contact with the plants; and secures an abundant aupply of moisture during the sesson, if but one soaking rain occur after planting-as the epent bark, covered by the surface soil, will retain water during the most protracted drought.

FRUIT TREES.

Dr. Zimmerman, of Zinzow, alleges that the notural productiveness of fruit trees is injuriously affected by the practice of training atandard trees high, or pruning off the lower side branches. This training is usually commenced in the nursery, and continued even after the tree is transplanted to its permanent position in the orchard—resulting in giving the tree a potatoe—the more elevated and colder regions of Paru it is requisite that they should be previously reduced

main stem 6 or 7 feet high. Dr. Zimmerman con tends that trees of the same class or variety, thus treated, are never so productive as those which are suffered to assume a more natural form and developement; and he refers, in proof of his theory, to the fact that orchards belonging to persons who know little of the modern scientific refinements in horticulture and whose trees are very scantily pruned, are invariably more productive than these whose owners keep them in regular subjection to the knife. Fermitting trees to branch out lower, would perhaps involve a greater waste of ground, in orchards cepecially; but the increased productiveness of such trees, would, in the Doctor's opinion, abundantly compensate for this. There are moreover many plants which could be advantageously cultivated in the shade of such trees.

The truth probably, in this case also, lies between the two extremes-and possibly the whole matter may resolve itself into this, that the more horizontally the branches of fruit trees are trained or permitted to grow-which appears to be Nature's tendency-the more productive of fruit will the trees be. In training fruit trees against walls, it is known to be advantageous to give the limbs a descending curve. This effect will be naturally produced, if the trees be permitted to branch out nearer the surface of the ground than is customary. The limbs, in this case, assume a nearly horizontal direction, and are subsequently curved down by their own weight and that of the fruit they produce, and the result of the whole is a greater tendency to the formation of fruit buds.

MADDER.

The proprietors of small farms in the Grand Dutchy of Baden, cultivate madder, of late years, with much success and profit. The plant requires a rich soil, free from weeds, and the root yields a beautiful and durable red color only when it is permitted to attain to perfeet maturity in the soil-which is not till the close of the third year of its growth. Roots of one year's growth are indeed used in Avignon, but the dye prepared from them is not durable; and that from two year old roots is very little better. Good madder, yielding a rich and durable dye, can be prepared only from roots not less than three years old; and if two of the summers were very hot, the dye will be the brighter and more permanent. When it I appens that the summers are unusually cool, the roots are not taken up tell the close of the fourth season. Southern plants, acclimated and cultivated in northern latitudes, require great care and judgment in their treatment, to prevent deterioration; and the madder plant does not appear to be an exception.

FROZEN POTATOES.

The results of repeated experiments show that potatoes injured by frost are not rendered valueless; but that very good flour or meal may be prepared from them, if the weather continue sufficiently cold to permit of repeated thawing and freezing. By this process, properly conducted and continued, the watery particles are expelled, and the inner of vegetable substance is gradually converted into meal. Exposure to rain and snow is injurious only as prolonging the operation. The meal or flour thus formed, can be readily separated from the outer skin or peel. M. EINHOFF exposed soft watery potatoes to the action of frost in this manner, and obtained a very superior flour, which was preserved in good condition for two years, even in a damp cellar. When it happens, in consequence of the unusual severity of the season, that large quantities of potatoes are injured by frost, excellent and nourishing meal may by this process be prepared therefrom, with very little expense or trouble.

Travellers relate that, in the native country of the

-the inhabitants expose quantities of this vegetable to the action of frost, for a similar purpose. After repeated alternations of freezing and thawing, the whole mass is thrown into a kind of vat and well kneaded of trodden w th their feet to separate the skins or peels. It is then put into coarse bags, and placed in a stream of clear running water, where it is left three or four days. When taken out, it is spread as thin as convenient and dried in the sunshine; and thereafter ground into flour.

Professor Poke, of Leipzig, in his Archives of German Agriculture, recommends that the same methed be employed when apples, pears, or turnips are accidentally injured by frost.

Potatoea are neither so productive, nor of so good quality, in warm as in cold climates. In Spain and the south of Italy, the vines are thicker and longer, and the foliage more dense and luxuriant than in the more northern countries of Europe where this vegetable is cultivated; but the tubers are smaller in size and fewer in number. In Colombia, large potatoes and abundant crops are produced only in the more elevated mountain regions-rising from 8000 to 10,000 feet above the level of the equatorial seas. The same appears to be the case in the United States-the potatoes of Maine greatly excelling those of the middle or southern state in quality and flavor, and the average erops are much more abundant.

ITALIAN RYE-GRASS.

In the Grand Dutchy of Mecklenburg, the Italian Rye grass (Loliuen percane italicum peristatum.) is found to be far superior to, and much more productive than, the English Rye-grass. Early in March it presents a rich, green, and vigorous appearance. The stalks and leaves are soft and juicy, and it is fit to be cut for hay early in June. The second crop produces a large quantity of seed, if cut early in September : and the after growth yields plentiful and succulent pasturage. The seed is smaller than that of the English Rye-grass; and when produced from the second crop, is generally very clear and pure. The Italian Rye-grass would probably be valuable for forage, in northern districts, as it is sufficiently bardy to stand the winter. For soiling cattle it is found to be particularly valuable.

HORSE CHESTNUT HEDGE.

Wenzel Hannock, of Morevia, recommends the Horse Cheanut, (Aesculus hippocastanum) as beat adopted for forming a hedge impervious to men or animals. The seeds, when gathered, are spread out in a dry and airy chamber for a few weeks. They are then planted in a shallow trench formed by a hoo or a plough, dropping them four or five inches apart in the row, and covered with earth. The young plants will appear about the close of the ensuing April, and should be kept well weeded. In the spring of the third year, before the sap begins to flow, the stems are bent accross each other so as to form a kind of wickerwork, and bound firmly together at the crossings by means of willow twigs, or bass. If this be well done, the trees unite permanently at those points, forming a lasting and impenetrable fence. By proper care in the subsequent pruning of the hedge, denseness can be greatly promoted, and a neat and Estidsome appearance imparted to it.

On Animal Manures. (Transluted from the German.)

The bones of different species of animals differ much as to their component parts, and therefore are not of the same value. As far as nitrogen is concerned, the hones of cattle are the best, whilst those of horses and sheep are preferable on account of the greater amount of phosphate. Those whe use bones as manure should bear that in mind.

nto the finest possible dust, which, however, is a ifficult operation, on account of the toughness of heir cartilage. The operation is performed by poundng or granding, effting the dust, and pounding and randing the coarse pieces again. Fine pulverisation s absolutely necessary, in order that the cartilage may o the sooner dissolved in water, and the phosphate f lime in the neids of the soil. The contser the dust he mere it will take to manure a certain area; the ner, the less; however, the conrect powder will not turing a longer period. Of fine bone dust, 700 los. o 800 lbs, will suffice for the Magdeburg acre; of onrse, 1200 lbs. to 1500 lbs., especially if an immelate effect to expected. Heavy clayey soils will reuire more than light loam or sandy fields; and if oor in humus, the bone dust must be first mixed with umous earth, and be left to rot, as we shall state ereafter. Bone dust always acts best if brought into lose contact with the roots, and should therefore either e harrowed in with the seed, or us d as a top-dressng. In England, it is drilled in the ridges, where armips are sown. 700 lbs. per ours will act even fter three years, as I have found by several experinents; the first year, however, the action will be the reptest if the season has not been tee dry. It has ecu assumed, that 200 lbs, of bone-dust are equivant in their action to 500 lbs. of dry manure, which, owever, is a very uncertain calculation, for the qualy of the manure must be taken into account.

If bone-dust is to net properly, it is necessary that ne soil should not be deficient in humus and moisture; ecause both cartilage and phosphate of lime are subances with difficulty dissolved in water; the latter specially being only soluble in water by the acid of ae humic or carbonic acide derived from humus. toisture is also indispensable, because it is necessary bring about the change of cardiage into animonia and carbonic acid. Humic acid is of equal importance, for the sake of neutralising the animonia genrated from the cartilage and fixing it. If then mauring with bone dust has been occasionally found to e unsuccessful, it may have been caused by the defiency of humas or moisture. To be certain, then, nat done-dust will produce the desired effect in a dry oil devoid of humns, it is always best to mix it with umus earth and to throw them into a hole. This lixture being kept wet will become rotten, much unate of ammonia will be formed, and it may then e used as a top-dressing, or be harrowed in with the ted. Bone-dust will become equally efficient if pretously put into a urine-tank and permitted to decay. he phosphate of lime will thus be decemposed by te carbonate of ammonia that arises from urine, the sult of which will be the generation of phosphate of amounts and carbonate of line. The fermer salt is ery soluble in water, and will therefore-even if there but little humic acid in the soil-essily provide anta with the necessary amount of phosphorus, as ell as nitrogen. Experiments which I have made ith the phosphote of ammonia have shown that it is ry benelicial to plants. It has been also recemended, when bones have been merely crushed, to ix them with quicklime in a ditch, and to let them t there ; but this process is bad. The consequence it is, that the whole of the ammonia developed om the cartilage will escape as gas. Equally objeconable is the plan of packing bone dust in heaps bere using it, wetting it, and letting it rot in that state ; cause, in this instance also, the ammonia will asme the form of gas. If, on the contrary, as shown ove, humous earth is mixed with the bone dust, all e ammonia will be fixed by humic acid. ones contain much fat, a sort of ammoniacal soap, sily soluble in water, will be produced. Those egetables will be most advanced by manuring with one dust in which much nitregen, phosphorus, and sloring are to be met with, to which class belong all rts of cabbages and turnips, wheat, trefoil, beans, as, and veichea. Used on meadows, bone-dust ings up different species of trefoil and vetches, and the same time generates a rich herbage, much relhed by cattle. It has been objected to bone manure, at it brings to the land worms and insects which deroy the crops; but this will not be the case if the one dust has been proviously mixed with humus orth, and is thoroughly rotted; because, in that case, e cartilage, which attracta the worms and insecta is composed. To lighten a clavey soil by coarsely ushed bones, as some have suggested, is, at the high ice of bones, quite out of the question on account the expense.—Farmers' Journal, Eng.

otly replied, "Because merit did not promote me.

Ridge versus Plat Drill.

To the Editor of the Doncaster Gazette: Having heard various discussions on the relative merits of ridging and that drilling white turnips, I re solved this year to bring the matter to the proof, by trying the experiment in two or three fields. I tried in one instance that drilling on land which had laid a fortuight, against ridging and drilling on fresh mould ; the flat 16 inches apart; the dolled or ridged 27 in. They were both carefully hard and singled ; but the flats yellowed very early and stopped growing; whilst the ridged luxurated in their ample space, and grew to an uncommon size: the difference in the weight of crop per acre is to the amount of some Adjoining these I ploughed down manure, and drilled on the flat, but they scarcely did better than the other, though they had all the same top dressing; whilst the ridged once, immediately contiguous, with the same quantity of manure, did exceedingly well. A few further observations I made on these experiments may not be without interest; we took a few loads of dung, or rather litter, fresh from the fold, the exact soil that modern science so greatly approves, but the turnips rejected the new fashioned views, and grew both sulkily and tardily; indeed the difference was astonishing between this and Christmas-led and

just according to the weight of the reller, had the weeds been repressed in their growth. Should these observations be worthy a place in the Gazette, you will, by their insertion, greatly oblige

once-turned manure. In the same field some were not rolled, some done with a wooden roller, and some

with a heavy stone one, reress. The effect on the turnips was slight, but on the weeds important : for,

AN I LONIAN.

P. S .- I venture an assumption for the purpose of eliciting remarks from some of your numerous readers, that fold manure acquires more vegetative qualities during the process of fermentation than it loses by the escape of ammonia.

> From the Albany Cultivator. Water Lime -- Cisterns

Charles Merriwether, of Graysville, Ky., requests some "information as to the burning water or bydraulie lime, the best sand to mix with it, and the mode of making cisterns."

Hydraulic lime is burned in the usual manner, but se it will not slake like common lime, it is ground to fit it for use. Hydraulic lime varies so much in quality, that no general rule can be given as to the quantity of sand it will bear in making cement.— When good, three bushels of sand to one of lime, will be the proper quantity, although some use more sand. The sand should be sharp and clean. There should be no clay or loam among it; since if these are present, the cement will not have the requisite hardness, or set quickly. The best method of making ciaterns, is to dig the excavations of the proper size and depth; then make over the bottom a firm floor of stone, or brick laid in cement. (a single flat atone like those used for paying, that will make an entire bottom, is the best,) and on this foundation build the well of stone or brick for the reservoir. Whatever may be the material of the wall, it should receive one or two coats of cement on the inside, to insure its being water tight. Some, in making cieterns, place the cement on the earth of the pit, using neither stone or bricks. Where the ground is very dry, and the sides can be made smooth, this method, where two or more coverings of cement are used, may answer; but in general, the best way is to construct a wall as above direct-The cletern when made must be covered so as to be secure against frost. In making the cement, it must not be wet up, or prepared, faster than it is wanted for use, as lying for any considerable time

We recognise below the hand of an old friend. whose anthority is unquestionable.

From the New England Farmer. Seeding on Green-sward Farrows.

MR. PUTNAM-In your paper of the 31st of August. there is an inquiry, in what part of the State the experiment has been made of seeding on green-sward furrows, and how the farmers liked the practice. We turrows, and now the farmers used the practice. We are disposed to give "Essex" information concerning our experience and practice, without participating at all in the dispute whether this be old or new husbandry.

Some twenty or twenty-five years since, the writer Good Reason. — A secretary of state being asked y an intimate friend why be did not promote merit, ploughing award bound fields, manuring and seeding all replied "Recease perit did not promote me." with cross, without any intervening con. The first with grass, without any intervening crop. The first

suggestion of such a course was sufficient inducement to make an experiment, as much fruitless labor and expense had been given in attempts to raise grain crops on cold and clayey soils. Every experiment made has been attended with very satisfactory results. There is no loss of crop in the course, and yet most of the purposes of naked fallow are fully accomplish-The gradual dissolving of the sed prevents the soil from falling into too compact a state, (a common evil on low lands) and imparts nourishment for many years to the new grass. We have a field which was ploughed and seeded in August, 1925; it has not been very frequently or copiously dressed with manure, and is still in better condition than mowing fields generally. Another field, seeded twelve years ago, and dressed once in two years, produced this year a very large first crop and a second is now ready for mowing.— This practice is worthy of all commendation on land not suited to grain crops. Where Indian cern would be likely to grow well, we should think it a more economical and better course to plow in the spring, apply manner, plant with cern, cultivate with a level surface, and sow grass seed at the last hoeing.

"Essex" eeems disposed to blame formers for neglect in communicating to the public, if the system concerning which he inquires, has been pursued "for a long course of years." Remesses in communication is no doubt an easily besetting sin, and the writer will not deny that it sometimes lies at his door; but on this subject there is no conscientiousness of any improper reserve on his part; all suitable occasions have been embraced to direct the attention of farmers to a practice so intimately connected with their interests and prosperity. All practicable publicity has been given to views entertained on the subject. In an account of the cultivation of the writer's farm, which was published in the N. E. Farmer, vol. x., page 360, this practice was mentioned as part of the system pursued. In the county of Plymouth, the practice has not been extended proportionats to its utility; but we have the satisfaction of seeing a good number of farmers every year adopting it, and where one experiment has been fairly made on a farm, an intelligent owner will be very certain to repeat it.

M. ALLEN. Pembroke, Sept. 2d, 1842.

Eric County Agricultural Society.

The second fair this season, of this Society, was held at Buffalo, Nov. 15th, for the exhibition of grain and root crops. The following are the awards of the and root crops.
viewing committee :
ROOTS.

Best one quarter acre carrots, 1312 bushels to the acre, Manning Case, Black Rock, \$3.

Second best one quarter acre of carrots, 1040 bush. els to the scre, Abner Bryant, Black Rock-Diploma.

Best one quarter acre ruta bage, 1000 bushels to the acre, Abner Bryant, Black Rock, \$3.

Best one quarter acre beets, 1280 bushels to the acre, Abner Bryant, Black Rock, \$2.

JOHN WEBSTER,
JOHN CARPENTER,
WHITE, GRAINS.

Best acre corn, 57 bushels to the acre, Thomas C. Love, Newstead, \$4. Best acre barley, 42 bushels to the acre, John Car-

penter, Wales, \$3. Best acra oats, 67 bushels to the acre, John Web-

ster, Hamburgh, \$3.

DISCRETIONARY PREMIUM.

To Manning Case, Black Rock, one-half acre corn, 51 bushels to the acre—Diploma. A. CALLENDER, Committee.

A. BRYANT, WM. HODGE, Jr.

The attendance was very small, owing probably to the bad state of the roads. There was no application for the premiums on wheat, rye, buckwheat, pess, beans or potatoes. And on the articles to which premiums have been awarded, there was no competition. The samples exhibited, however, were superior. WARREN BRYANT, Sec'y.

The late Thunder Storm .- A curious incident occurred in a crowd; the finger of an individual sud-denly became light, and was conducted with electrical velocity into another person's pocket, when being at-tracted by the metal, it struck upon the whole of it, and then glided off, so that the bolt which usually follows was quite in another direction .-- Punch.

Mediterraneau Wheat.

Mr. Colman—Practical farmers have been scoffen imposed upon by humbugs, in the shape of new articles of agricultural peduce brought to their notice through the columns of agricultural papers, that they have formed a distrust, and justly too, of all such communications, especially when they find at the bottom, the very disinterested offer of "only a small quantity," for sale at the moderate rate of four times the market price of the same article. And I will take the liberty to add, that the publication of such communications, and particularly when upon trial they prove to be sheer impositions, tends greatly to Jessen the character and influence—yes, and the circulation and perusal st agricultural periodicals, and forms one of the chief arguments brought up against what is called "book farming".

I am led to these remarks by reading in your truly welcome Genesee Farmer for September, the article headed "Mediterranean Wheat," from the Hon. H. L. Ellsworth, the very worthy Commissioner of Patems at Washington City.

As one humble individual practically engaged in farming, I have much admired the indefatigable exertions of that gentleman to promote the agricultural interests of our country, and I doubt not, I shall be joined by the mass of farmers throughout the Union, while I most heartily tender him my thanks therefor. I hope and trust that his great zeal and devotedness in the cause, may not get the better of his judgment, and lead him into erro. So retatements, the publication of which he may at some future time regret.

The new variety of wheat which is now brought to the notice of the wheat growers of Wostern New York, is recommended as being "proof against the fly and admost proof against rust." Mr. Smith gives us no reason why the fly does not attack the Mediterranean Wheat,—indeed he says frankly, that no explanation can be given,—but he knows it is so and that is enough. I regret this, for I should be pleased to see how he would set himself to work to account for it.

Now, sir, such an argument, or rather, such a statement, has no weight with me, and I doubt whether many Western New Yorkers will be found willing to pay two or three dollars per bushel for his wheat upon such a recommendation. They know too well, that Mr. Fly is not a discriminating gentleman, but will attack the wheat plant without regard to varieties or high sounding names,—or whether it be "far fetched and dear bought," or the humble production of our own soil. In the other recommendation, its being "atmost proof against rust," there is somewhat of plausibility, if this wheat does certainly ripen ten or twelve days earlier than any other variety.

The yielding qualities of this wheat, the most important item with the wheat grower, are stated only by guess-work. Mr. Smith says he has cultivated it after corn and potatoes, and that after the potatoes he thinks yielded full 30 bushels per acre,—but does not even guess at the yield after the corn.

If he wishes the farmers of Western New York to purchase his wheat at an exhorbitant price, why did he not measure his ground and hiscrop, and state the exact result? Why did he not state the kind and qualitry of soil—the course of cultivation—the time of seeding—and the time of harvesting?

J. HORSEFIELD.

Castile, Wyoming Co., N. Y.

In the main, we perfectly accord with our friend Hossefield, but we think we should not let his communication go without some qualification. In respect to editorial responsibility perhaps he demands too much of us. What we publish under our own name or authority, we are entirely responsible for. What we publish, though it may be mere hearsay, in a style of and enlighten the mind account of the property of the more property in the mind are as a spiritual wisdom.

we are to a degree responsible for, at least so far as our character for good Judgement is concerned. But what we rublish under another man's name, he and not we are wholly answerable for. Mr. Smith and Mr. Powell are responsible for the statements to which their names are attached. We confess ourselves incredulous in regard to the peculiar properties of the wheat recommended, because, first, the statement seems improbable; next, because no reason, it is admitted, can be given why this wheat should not be as subject to the fly and the rust as other and third, because we do not know personally either of the gentlemen mentioned and the offer to supply the seed, (though not as our friend suggests, at an exhorbitant price.) would lead to the inference that some self-interest was at the bottom of it. But we do not think the inference is a very strong one. What it is every farmer can judge for bimself; and a very small quantity of the wheat for trial, say half a bushel, would not be likely to involve a farmer in any rainous risk. We think it clearly worth the trial. As to Mr. Ellsworth, his disinterestedness in the case is beyond all question; and his zealous efforts for the agricultural improvement of the country, entitles him to universal respect and gratitude.-Ep.

Moral and Intellectual Culture.

Having in my last communication, touched but slightly on what I conceive to be the duties of mothers, I would now invite their attention; incapable though I am, of doing justice to this subject, but the importance attached to it, induces me to endeavor to arouse the slumbering mother, to engage in the canse of intellectual cultivation, and thereby pave the way for all the innocent pleasures and exalted enjoyments the immortal spirit of man was originally designed to delight in and aspire to.

The mother! how much is expressed in that one word. With it is associated all the most tender, refined and holy feelings of our nature. And who that reflects upon the station she occupies, can doubt that a vast accountability rests upon her. Mothers have yon pondered this responsibility! When Heaven placed in your possession that infant form, think you not no fearful responsibility arose from that relation? To sust in the situation which you occupy with innocence and a clear conscience, is a subject of infinite importance to yourself, to your family, and to the community. For it you must answer to God, who imposes the duty.

Does the mother that feels her children a burthen, the cares and labor she must endure for their sake as grevious to be borne, does she fulfill the manifold duties Heaven demands of her? No: with these sentiments and feelings, it is impossible. There is no one thing, in my opinion, in which there is so much wrong, so much contrary to what it should be, as the principles and feelings imbibed by mothers toward their children. I have seen many a mother that appeared to feel justified in considering a family of children a curse. And why? Because such mothers do not study into the designs and intentions of the Abrighty, in instituting the dear and near relation of the mother to her child. They seem not to discern the wisdom and goodness of God-the unbounded mercies and blessings of Heaven, when mingled with the bitter pangs of bodily anguish and mental suffering. Yet the deep fountain of a mother's love will gush forth in constant anxicty, care and labor, in a sacrifice of almost every ease and comfort sor their children. This shows plainly and conclusively, that the mother possesses within her own breast, a faithful moniter, which, if adhered to, would direct her not only to provide for their physical wants, but to labor more earnestly and abundantly for their progress in morals, in religion, in that which serves to enlarge the affections for the good and just, and enlighten the mind with the beams of nature's

In that receptacle of anxious case and self-denial, of affection and tenderness in a mother's heart, there should also reign high moral principle, self-acquaintance and scheooltrol, and with those a consecration of all clee, to the laws and requirements of the gospel.

In a family little can be effected in the cause of mental improvement, unless the parents act in concert. Take a wife that is fretful, worldly and selfish, and you will soon perceive that all the efforts of the husband are rendered abortive. And also, if a wife be ever so intelligent and active, if she has a husband whose soul never breathed one aspiration or desire for any greater good or better knowledge than wealth can bestow, how little can she accomplish. But even then I would say, try. Never despair of good. Perhaps the husband or the wife nieldt be induced to overcome the wrong sentiments they have cherished, if they should behold in their companion an example of steady devotion to the intellectual and moral improvement of their children and family.

I am well aware, that farmers wives have much to engross their attention in their business; and a great amount of care and labor to endure. But the next question is, are they obliged to subject themselves to such hard duty. The great difficulty is, that mothers allot to themselves far more labor than they ought to undertake. You task yourselves, in my opinion, far beyond your duty; the physical powers to much, the mental too little. It is not uncommon to see a farmer's wife do her kitchen work, washing, ironing, baking, cleaning, &c., the knitting, sewing, spinning and weaving for the family, with the assistance perhaps of a few weeks labor, or some little help. And this, very probably, by one who is abundantly able to afford herself leisure for meditation and reading, for attention to her children; in a word, to intellectual cultivation. But no! they do not possers all the world yet, and until they do, she must toil and labor as unceasingly as if her children were starving for a morsel of bread. Is this right? Is it doing justice to yourself and your family? Is it fulfilling your duty to God? Herculean strength could scarcely endure it. The most healthy and robust feel that they are old while yet young, when subjected, year after year, to so much excessive fatigue and labor. And the half of the difficulty lies not here. Its greatest evil exists in the prostration it affects on the intellectual powers, and religious and moral principles of the heart. One of the fundamental principles in the science of phrenology is, that the organs that are most exercised will develope the most largely, and thereby become the moving springs to action, the most likely to control the whole tenor of our lives; while the neglected faculties, or organs, will perish and decrease, until they are scarcely perceptible. Now whether this science is real or imaginative, as some suppose, I will not attempt to discuss. But I do know, from my own experience and observation, that any of the passions, will, by frequent indulgence, become habitual; and what becomes a scated habit cannot be overcome, without a powerful and persevering effort of the mind. And I also know, that if through carelessness or indifference, we neglect to cherish the tender and benevolent sentiments of the heart, we become cold and selfish; our indifference increases until it becomes a seated principle of the mind and a striking characteristic of the person. I have but just broached the subject, and leave it with regret for the present.

FLORA.

A Sign of Better Times.—Mr. Jonathan Wilson, of Shoreham, Vt., lately received two hundred dellars of Solomon W. Jewett, Esq., of Weybridge, for a Pauler Mermo Buck.

Herbs for drying or for distilling should be cut be fore their flowers expand, and the former laid thinly in a shady place.

Pedantry, says Coleridge, consists in the use of words unsuitable to the time, place, and company.

We have already got somewhat involved in the question of Protection to home industry; but we are not willing to refuse out respected friend Garbutt a place in our celumns. The mustion is in every account, a most interesting on to the ferning community; but we do not mean to admit its claims to the prejudice or other purportant matters, and will not permit it to assome a partizan character. For ourselves, we think Die root of the whole matter Los much deeper than either of our correspondents have yet reached. The common arguments, pro and con, are quite hacknied. and we wish they would go into deeper waters, or rather look at it from a higher eminence, far above all the smoke and dust of party conflict.-En.

The Paritive in Reply to S. W.

Mr. Countan-Your fluent correspondent S. W. is se constantly dabbling with the tariff, and is so courteous towards John Farmer for not thinking as he does, that I am connelled to suspect that he is determaned to make the columns of the Farmer subservient to his political views, and is so anxious to confute his antagonist that he some times forgets himself

I will take the freedom to notice a few of his statemonts in answer to John Farmer. He says "had be (John) been as well informed on the subject of our national tariff as he is refined and witty, he would have known that the high tanilis of 1828 and 1833 did not receive even a majority of the votes of the New England States," Now if S. W. had not been so anxious to expose John's ignorance, he would not have made such a blunder as to class the tariff of 1833 with that of 1928, as a high pretective tariff. So far from that of 1833 being a highly protective tariff, it wa en abandonment of the pretective system and a repeal of the tariff of 1828. This has been one of the principal causes of paralizing our industry and bringing the country into its present state of stagnation, depression and embarrassment. It is true, as S. W. states, that the tariff of 1833 did not receive even a majority of the votes of the New England States, for the six states had 39 votes in the House of Representatives, of which there were only ten in favor of the bill, viz: 6 from Maine and 4 from New Hampshire; one from New Hampshire being absent. The remaining 23 voted against the bill. Now if this strong vote of 23 to 10 against the abandenment of the protective system and against the repeal of the tariff, is a proof that the New England States are not in favor of a protective tariff, S. W. has a strong evidence of the fact; but to me it has rather the contrary appearance. In the next paragraph he classes the turuff of 1833 with that of 1816, either to show John's ignorance or his own knowledge. The one was about the commencement of the protective system, the other its abandonment

Again he says "John Farmer asks 'why are our New England factories closed and their hands unemployed at this time?" He lets a manufacturer of his own town answer, by stating "that a protective tariff would not help them, for they have the whole of the home market without foreign competition;" but here S. W. has left a hole to creep out at, for the manufacturer who gave the answer, is one of coarse cotton goods; his answer, therefore, is correct, as far as that kind of goods is concerned. But, Mr. S. W., John's question was a general one, and applied to all our branches of manufacturing industry, and you gave the answer as such, which goes to say that our manufacturers are not interfered with by forcin competition.

Again he says "the difference of opinion between John and myself is simply this, I want all our great national interests, agriculture, manufactures and commerce, protected by sound and equal laws, but he seems to embrace the delusive notion that we stimulate the manufacturer by taxing the other interests." Now

go, who drink and become

S. W. is correct when he states that "John Parmer does not know that the manufacturing interests of the United States has been fostered more than any other Nor does any other man, for commerce has received hundreds of dollars as protection where the manufacturer has received one

Again he says, that "so for from specie going out of the country, it never goes out when it is indispense ble for a currency at home." It so a paor and needy community will never want money. This is to me rather a new notion; and I should guess that some of our Western States will soon have a plenty of it, for they have been profty destitute of a currency of any kind for some time. This is a wonderful age for new things and wonderful improvements; it was formerly the notion of us working folks, that a community would be rich just in proportion as they were industrious and economical, and that in proportion as they bought less than they sold, and earned more than they spent, that they would have money plenty, independent of " paper rags," African shells, or any other sub-

But I would ask S. W., and every honest and candid man, what is the reason that the experience of this country for the past 20 years must be set at naught, and we yet keep prateing and writing about protective fariffs and free trade, as if they had never been tested by experience, and as if there was nething for us to do but to talk and write.

When the "abominable" tariffs of 1822 and 1828 were passed, the country was made to re-echo from one end of the union to the other with their anticipated dreadful effects. Our commerce would be destroyed, our ships rot at the wharves; our laborers would be made dependent beggars; the farmers and merchants would be ruined by the enormous taxes that they would have to pay, to raise up a maaufacturing aristociacy. Well, what was the result: those tariffs went into operation, and strange to tell, none of these dire effects followed, but the very reverse occurred in every case. There never was a country more prosperous. nor one where labor and skill were more liberally rewarded than in the United States from 1822 to 1832. Then commerce increased with a double ratio; our cities advanced with rapid strides; laborers of every class found employment and ample compensation; our farmers and merchants were prosperous; and the country advanced rapidly towards wealth and prosperity. Our currency was as sound and as good as it could be; it was not surpassed in the civilized world; a dollar at one part of the Union was a dollar at the other, and by paying the postage of a letter, "our paper rags" could be converted into gold or silver at the pleasure of the holder, and the facilities for exchange were such, that distance was scarcely realized by our merchants. But our wise and knowing ones were not content with this state of things. We must have a change, and with that change we were to have a better currency, and better times for every thing; but we must have a change, and a change we have get. Yet I fear that it will be a very hard matter for even our wise and knowing heads to tell wherein that change has benefited the country since 1832.

Yours, most respectfully.

WILLIAM GARBUTT.

For the New Genesee Farmer.

Wheatland, 1812.

Protective Tariff .-- No. 3. Another reason urged in support of a Protective Tariff is, that it will prevent a consequent drain of our

market with a fair demand for export," how can a pro- would permanently increase the amount of specie in tective tarm be a tax on the consumer? Were more a this country, in its practical effects, would ultimately duty, no matter how heavy, laid on imported water or destroy all commerces, and in any judgment, it is wholly air, I do not t'unk that it would be much of a tax on based open the false premises that we can sell every thing and buy nothing. I grant that when any nation buys a Turge amount more than they sell, that the coin must be exported to liquidate the debt. but the next year's purchase of the debtor nation will undoubtedly be enough less than the former, to restore the equalibrium of the commercial world, which can be accomplished in no other way than by a return of the specie to that nation, where there is a deficiency and the createst demand. There it will assuredly find its way, breause, like every other article of commerce, it must go where it commands the highest price.

But suppose that we levy an additional duty of 20 per cent, on all articles, which we consider the absolute necessaries of life, the result would be an increase of price in our market. Cannot the British manufacturer sell to some extent as before at the same profit, by merely paying into our Custom House the additional 20 per cent. tariff, and reimburse himself by being enabled to sell his goods at the advance price? Another reason urged, is that England and other countries will not admit our bread stuffs without paying enormous duties, and that if we were to retaliate, it would of necessity compel them to come to terms of reciprosity. This I believe is the natural feeling of all. It has been the last and most difficult point for me to relinquish, for I was once in favor of a Protective Tariff and a credit currency. I still hold myself open to conviction, and if I can be convinced that my present views are incorrect, I am ready to relinquish them, believing that I am not one of those who if "convinced against his will is of the same opinion still."

If I mistake not, we have tried the retaliating system ence, and I would ask, what evidence is there, that we shall be more likely to succeed upon a second trial; and is not the tendency of public opinion in the old world altogether in favor of free trade principles; are not all parties in England scheming praceably to get rid of the system, on account that the mass of the people can no longer sustain life under its oppressive burden 2

Do not the starving millions attribute our prosperity to the practice of I'ree Trade by our Government? Shall we disappoint them by our example and deprive them of every hope? Shall we return to a system of taxation that is the cause of the premature death of 20,000 human beings annually? and that too on one small island of our own kindred blood?

But admit for argument that the retaliating system would bring England to our terms of reciprosity, what would be the effect upon the price of Bread stuffs? would the price here materially advance? would we not then come in competition with wheat from the Baltic, from Russia, Germany, Poland, and all other grain growing countries, and that too where labor is cheaper than with us, and even less than it is in England ! How can we then compete with either of these Nations in a foreign market, under any system of high prices?

I take the position that American labor must absolutely come in competition with that of Europe, unless we adopt the Chinese policy, and destroy all commerce and live entirely within ourselves, (a system wholly impracticable to adopt in this enlightened age).

What are we to understand by commerce; is it not an intercourse of trade and an exchange of products or manufactures between the several nations of the Globe? and how can we exchange our products and manufactures for dye stuffs, hides, or West India goods, with Spain, Mexico, or the South American States, without meeting England and all other commercial nations in competition for the same trade? And how Mr. S. W if our manufacturers "have all the home specie. The argument that a prohibition of imports can we exchange products with Russia, France of Germany, but what we meet England there in compeition for the same trade.

If we go to Africa, we there find them, or to the "ust rmost parts of the earth, they are there also." If we levy a duty to protect our own manufactures, the prices are raised in our own market, (as I think I have clearly shown) they can then compute with us, and if good among us, and if they dure, they would fight us them in the act.

I confess that at the first view it appears inconsistent flat we should admit the products of England on better terms than they admit ours; but shall we injure ourselves in order to retaliate against them? Shall we, because England oppresses the bulk of her population by excessive taxes on their bread, make the majority of our citizens pay excessive taxes on their manufactured goods? and is it a good and sufficient reason for so doing ? I think not. Why is it that England takes the landed interest into such special favor by way of protection? It is because the monisd men-the Lords and Nobles have monopolised all the land of the Kingdoes, and they frame all the laws to advance their own interest and force their hard earnings from the mass of the people.

The English nation possess much greater natural advantages for manufacturing than for agriculture, on t'ne account of a dense population and their limited territory at home, which is easily monopolized; consequently the mass of the people must necessarily be engaged in manufacturing The law makers, therefore, in order to carry on their extensive wars and support a spin-lid gov inment, have made the manufacturer bear the brunt of taxation, on the ground that these individuals, posse-sing natural advantages for producing wealth, can bear more taxation and sustain life, than individuals who do not possess those advantages.

J. S. DUTTON. Mineroe, Mich., 1842

Protective Tariff. == No. 4.

The Wool Growers, more than any class of farmers, seem to favor the Protective Policy. Do they think that an advance of 10 or 20 per cent, to the present duty on woolens, would ensure them for all time to come, the same increased ratio of prices? If they do, they are greatly mistaken. Do the manufacturers go for the same duty on the "raw material?" and if they did, competition at home would soon reduce the price of wool to the old standard, if not below it; and at present prices, I predict that Michigan will, in ten years from this time, turn out a greater surplus than any other state in the union does at present.

Wheat and Wool are to be the great staples of the state; we have done with producing pork, beef and coarse grain, at a loss of 50 or 75 per cent. on first cost, as at present prices.

While on this subject, I woold ask what is the cause of the present low prices of those articles, if it is not on account of over-production, or too great a surplus and no foreign market, at a price that will pay us the first cost. Now suppose that the tariff is increased on wool as well as woolen, the prices of wool would be raised, and all the farmers in the Union turn their attention (as they undoubtedly would) to the production of that article, how long would it be before the market would be glutted, (the same as with pork at present)? Would not prices then be brought back again, if perhaps not below the present standard? Would you not then have just cause to call on Government for an additional Tariff: more especially as they had stimulated you to invest your whole capital in the production of that article, at high prices, and would they not be bound again to throw around you the mantle of protection, by way of a bounty or otherwise to be again followed by over production, fall of prices, and then an other call for increase of protection?

I have been told that the manufacturers purchase wool in a foreign market say at 21 cents per pound, and then fill it with 2 lbs. of sand to one of wool, or saturate it with some substance which costs nothing and is easily separated or cleansed, until it brings the first cost of the wool down to 8 cents per pound, or below. and then it is to be admitted into our country free of we prohibit them altogether they will sauggle their Juty. On its prrival here they open the bales and shake out the sand, or cleanse it in some other, and they into the long do, as they have China, it we detected then have a fine article free of dety, worth 50 cents per pound in our market.

I do not pretend possitively to youch for the truth of the charge, although to me it seems not improbable,

But the cry is, give us high prices or we perish. This I admit is a debutable question, and one that ought to be well understed by the great mass of producers; but to my mind, a system of high prices is unfavorable to the prosperity of this great nation.

I wish to be understood, so here I assert, that a general system of low prices is better for the Liborer, the farmer, the mechanic, and manufacturer, (that is, that an absolute specie standard is better than a fictitious paper credit,) and that it is better that improved furns should be worth twenty dollars per acre, and laborten dollars per month, and wheat six or seven shillings per bushel, and manufactored goods and every thing else in proportion; than it is to have all things twice or three times higher, because at the low scale of prices we might export a surplus to foreign countries, and at the higher rates, foreign countries would underscll us.

In short, special legislation of any kind, that has a tendency to raise up prices and establish a fictitious value upon property, whether by a protective tariff as a general policy, or a credit currency or any other monopoly, fraud or fiction, is decidedly injurious to the productive classes, and the best interests of this conntry. I am satisfied that the tendency of this nation is to purchase all the goods we are able to pay for under any circumstances, and when we imagine ourselves wealthy from either of the above causes, we purchase more goods than we are able to pay for, and instead of getting rich, we become miserably poor by the opera-

The high priced, high tanti advocates will now ask; would you reduce us to the condition of the Russian serf, or the English weaver, and in what is our condition better than theirs, unless we obtain higher prices for labor than they do ?

I answer that labor is best paid when it will obtain the greatest amount of the necessaries or luxuries of life for a given service performed; that it is the relative and not the nominal prices of labor and necessaries that determines when labor receives a just reward; and you cannot reduce the producers of America to the condition of the operatives of Manchester and Birmingham, until our Government under the specious pretence of "protecting our industry," taxes us enormously, by way of a Tariff, on all the imports we cat. drink or wear, and allows a bounty on a portion of our exports to some favored class; taxes us for the glass in our windows, and for every thing under Heaven. and then in addition, takes one tenth of all the products for the support of one established church.

In short, when our Government adop's the whole system of Brittish "protection," of which ours is a faithful copy, all except the "eliding scale," then and not till then, will the producers of America be brought to the same condition of the producers of England. the operatives of Manchester and Birmingham, and then we may perhaps boast of a splendid government and sing America "rules the waves," and dictate to the nations of the earth, with death and starvation staring us in the face to the extent of 20 thousand human beings annually. J. S. DUTTON.

Monroe, Mich., 1842

AGRICULTURE OF ONTARIO COUNTY. The present condition of agriculture in this county generally, as well as in this immediate portion of it, may be called good. The soil of Ontario is rich, but

in different sections it presents every variety of loamy. clayey, sandy, and the various degrees of admixture of these.

The aspect of the country is agreeably undulating and picturesque. The principal product of the county, since its first settlement, has been wheat. The coarser grains are cultivated, but mostly for domestic consumption.

Wool has become within twenty years, an imporant product of our farms. The town of Richmond had, at the recent census, about 28,000 sheep, chiefly Merino and Saxon, and these mixed upon the common stock. Some, but not much attention has been paid to the Bakewell, South Down and larger breeds of English slieep. Our sheep husbandry would doubtless be improved by increased attention to rooffcuiture, beets, ruta haga, &cc. Our wheat is sold to the merchant millers of the neighborhood, whence the flour is mostly sent, by the way of the Erie canal to New York and Boston. A portion of it, however. finds its way to the Canada market.

Our wool is generally sold at home, to purchesers for the eastern manufacturers.

Of cattle for milkers and beef, the short horned Darham is the favorite breed. For working exen. the Devonshire is still the best. Of swine, the Berks shire is, at present, the favorite. Much pork, since the temperance cause has been in the accendant, has been fattened on applea. For a number of years, I have fed my hogs but about a fortnight on Indian corn. after taking them from the orchard; and have thus made excellent and profitable pork. Good horses are raised in this county : but the present race are an admixture of almost all varieties of breeds.

The different oaks, bickories, black walnut, butternut, elms, maples and beech are the prevalent timber of this neighborhood.

The value of farms may be said to range from \$35 to \$50 the scre, according to the situation, quality of soil, buildings, &c. &c. Occasionally, forms are sold at higher prices.

Clover, timothy and redtop, are the grasces most cultivated and most profitable for pastures and mead-

To the question-" what agricultural changes are requisite to advance the prosperity of the country ?" It may be answered, the extended introduction of the silk culture would probably be one of those changes.

Our farmers are industrious, enterprising and tractable : ready to adopt, and give fair trial to any improvement in the science of agriculture, to test new implements and machinery, and need nothing to advance their prosperity, but wholesome and stendy laws of protection to American industry.

[Trans. N. V. State Ag. Soc.

Rust in Wheat.

We extract the following from the American Farmer of recent date. It certainly deserves attention, and we commend it to the consideration of intelligent and observing persons. The advice in regard to ear ly cutting is to be received with some cantion. We approve of early cutting, but in one case we know that we cut too early; and therefore feel that this danger is to be guarded against. We remarked on the error committed by many farmers in this matter in our last number .- Ep.

Hence, then, we infer, that ptethora, or over fulness in the supply of sap, (arising either out of the pe-culiarly favorable condition of the atmosphere, whose phenomena we have described, or an over rich soil) is the cause of the disease, and in this we are borne out by two eminent agreenlturists, whose essays we have or two from each, by way of strengthening our post-

Wm. M. Peyton, Esq., after enumerating several

assigned causes, says:

But if on the contrary, it results from Plethora, induced by excessive vegetation, then I am fearful it is an evil beyond remedy."

"That the last is the true character of the disease I am convinced, though I express the opinion with some diffidence, as I know it is opposed to the views of many agricultural writers of distinguished repu-

"I have heretofore supposed that the exudation proceeded from the bursting of the minute surface vessels, whose rupture not being visible to the naked eye, had discredited the theory which taught the existence of what could not be seen. But in a conversation a few days sines with a sensible and observing farmer of a neighboring county, he told me that the ruptures were distinctly visible, when the rust was removed with eare. On the same day he illustrated the correctness of his statement by producing several stalks of rusted wheat, upon which longitudinal ruptures were very distinct under every blotch of rust ex amined.

C G. Green, E-q., the President of the New Jersey Agricultural Society, in his late report, gives the following cases, tending to the same point as the one given above:

" One of our farmers had an extraordinary piece of wheat, which he thought out of danger, it was so nearly ripe. On a very hot day, between the hours of one and three o'clock, there enme a small cloud over, which completely drenched the field of wheat. A deathlike stillness succeeded; the cloud passed away; the sun shope extensively hot. The owner in this state of the case, went to examine the wheat, as it was much pressed down by the shower; he immediately observed a continual ticking, or enapping noise in every direction in the wheat. The straw was fine and bright, but upon examination he perceived it bursting in short slits of a fourth of an inch long, and the sap exuding in thousands of places. A say or two efter, the whole field was darkened with rust and the wheat of little value. It does not appear that these circumstances take place while the wheat is growing, but only at the critical state of ripening.

On my neighbor White's farm some years since, was one of the heaviest pieces of wheat straw I ever sew, remarkably tine, and nearly ripe. I had also a good piece advancing fast to maturity; on a close warm morning, a small cloud of fug arose from the mendow and gradually covered the two fields, but was not a general log; being very still, it remained hovering over the fields until the hot sun dissipated the yapor. Being arquainted with the above case, I was alarmed for the wheat and watched over it with deep interest. When the sun had somewhat dried the straw, and warmed it, the straw began to burst with a continual tacking noise, the sap exuding at all these little split. In a day or two the fields were black with rust expept some small spots, which are worthy of notice. An acre or two of mine was so nearly ripe that the wheat was tolerably good, and the rust on the sput of a reddish brown. In Mr. White's field there were some trees which kept the intense heat of the sun from the straw; there was tolerable wheat, glso. The rest of the fields would scarcely pay for gathering and thrashing.

A question of importance crose in those two cases. Was this injury a fungue, the very time seeds of which float about and attach themselves to the straw, as some of our learned agricultural writers tell us, or is it the sep of the straw that ran out and was dried on the etraw, and was reddish or black according to its state of ripeness or falness of sap ?

Your committee are decidedly of the opinion that the sap being lost at this critical time of ripening is the true cause of the shrinking of the grain.

It must, we think, strike the reader very obviously, that the rust is not occasioned by parasitical plants, or lungus; that if the discolored matter on the external surface of the whent plants be, or present the appearance of, parasitical plants, that it is produced by the rupture of the overcharged vessels of the plants, and is in fact oxydized sap which had thus escaped and formed a species of mate or jelly on the outside. do not pretend to deny that in the interval between the exedetion and the drying of the sap, that hving fungus bodies had not taken up their abode therein, for such is one of the consequences of putrefactionit is sufficient for us, to endeavor to show that the bursting of the vessels of the wheet plent, is the cause of the rust.

already published, but shall be a extract a sentence means to be used ? We maked that we do also have are-and among them these :

Deep Plangling. By this, the roots will be permitted to extend themselves so deep ug to be without the immediate range of sudden atmospheric action -all fermentable manure, applied to previous crops, will also be deposited too deep to do harm from similar causes.

2. Application of salme manures, as lime, mail, plaster, salt, &c., and the avoidance of all use of any strong manures, which are liable to active fermentation.

Any soil whereon wheat is grown- if not naturally dry, to be made so by draining

Increased quantity of seed to be sown.

Earlier sowing, so as to carble the wheat to ipen at least two weeks carlier than at present, and thus avoid the evil effects of the unfavorable weather which prevails at the particular period on which its ripening is now thrown.

6. Sowing an earlier variety of wheat, with the objects above stated in view.

7. Rolling the ground immediately after plough ing in the seed in the fall, and again in the spring.

Thus far of preventive means, now a word or two about remedial ones, should the above fail to keep off

If after using the precautionary means recommended above, your wheat should become rusted, cut it as soon as the grains may be thoroughly formed; never nund if they should be still in the milk, they will get nourishment enough from the stalk to ripen them. By cutting before the straw is literally destroyed, you not only save the straw, but will get more grain, and better flour than if you wait for it to mature standing in the field on rusted stalks.

SOILS.

We extract the following simple account of soils from a recent Farmers' Journal, Eng.

Mr. W. M. Chatterley delivered his eleventh lecture at Havering Bower, near Rumford, on Monday, October 3d, on Sons.

Soils may readily be supposed to partake of the geological character of the formation on which they rest, and such in truth is the case. The time to which the present lectures were limited would not permit the subject of geology, even the geology of Britain, to be discussed; it would, therefore, be sufficient for the purpose to state that the three most generally diffused minerals, viz., clay, limestone and sand, were all neessary constituents of a tertile soil, but that the proportions in which they occurred in different soils vared, and that too in accordance with the geological character of the subsoil. As either clay, lime or sand was the predominant ingredient, soils were classified accordingly into alumnious, calcurcous or siliceous soils. Either of these earths alone form a barren soil: and, as each may be in greater proportion, it imparts to the soil its pecidiar character; stiffness, attraction and retention of moisture, hardening into a brick-like consistence, and cracking during dry weather, the characteristics of soils on the clay; great friehility, speedy fitration of water, and general dryness, are the opposite characteristics of sandy soils, plain y indicating their mutual admixture as a means of remedying some of the defects of either; the rubbly or marly character of calcarcons soils, allows of speedy filtration, and causes too great dryness, indicating the benefits to be derived from the addition of either clay or sund. An excess of sand is much less injurious than an excess of clay; indeed, all the most fertile soils contain a larger proportion of sand than any other mineral ingredient. The different natural mixtures of these carths have given rise to the different terms by which peculiar soils are distinguished, as loams where clay and sand form the chief constitu ents, or marts, where clay and limestones most abound. The purest clay soils, however, do not contain less than 60 per cent. of silica, while many siliccous soils contain from 90 to 95 per cent of sand.

Vegetable matter in soils is also necessary to their fertility; and the varying quantity of this material, from about 10, as in garden mould, to 70 per cent., as in peats, gives to these soils the characteristic whence they derive their names

But, as has been said before, neither the purer forms of clay, sand, or limestone alone form fertile soils, but the contrary : so it is to a proper admixture of these that we must look for the fittest condition of a soil. It generally happens most happily that sand, clay, or lime are found within reach of one another, and ready to be used mutually for the amelioration of the soils, in which they hurtfully predominete; end it should It may now be caked, are there any preventive be remembered that such amendment is permanent.

The other come. but, in order that they should retorn door to oddy they must constantly contain the alkahes, poin band soda, and the alkaline carta may neen, with the salphuric, muriatic, and phosphoric soids, the peroxides of non and manganese—these substances serving as the food of plants, while the sand, that, and himomore form the body of the soil, amongst the particles of which the roots penetrate, and support the plants by their mechanical action.

The chemical properties, however, of the three chier consuments of soils should be attentively cons.dered also, as tending to elucidate many enomalous instances of unproductiveness in particular soils. I he attraction of clay for water renders it highly useful in siliceous soils, which have no such property : its adheseveness tends to land together the loose falling particles of the sand; while these very properties, when mexess, tend to render the soil untruttal, and are then to be remedied by mixture with good or line, to increase the freshitty and hitration, and thus, in onther care, to permit the passage of a rapid water among at the particles it the soil in such a manner as to preserve a due but in a x-essive degree of moisture in the soil, so that it is neither remained too long, nor iemoved too soon. These three, the chief constituents of the soil, though they may either of them he requisite in a slight degree us the food of plants, are not to be considered in this light merety, but rather as having for their chief neo the mechanical duty of atfording support for the roots of crops.

The state of chemical combination, in which the various ingredients of the soil are found, also materially influences its fertility, though such comboint on should differ somewhat for particular crops; for instance, wheat requires that a portion of a lice should be in union with potosh, and for clover, that sulphur should exist in the soil in the condition of a sobb'e sulphate; should the and, however, contain sulphate of the protoxide of iron, as is the case sometimes in the London clay and in pent soils, it is altogether inintious, and should immediately be converted into peroxide by exposure to the atmosphere, by frequent and deep ploughing, barrowing, and disintegrating.

Much practical matter, as to the mechanical action of the various farming operations, and on the chemical consuments of soile, was added, but it is to the chemist that the farmer must apply for a knowledge of the minor, but still, deficiences of his soil, and for the easiest and cheapest mode of remedying them. There was no reason why a farmer should not be acquainted with chemistry; but if not so himself, there were many of the latter class who now were turning their attention to agriculture as connected with the science, and with whom there would be no difficulty for the farmer to put himself in communication.

The proportions of the chief constituents of soil, best suited for all crops, were then shown to be from 50 to 70 per cent, of silica, from 20 to 40 of simming. and from 10 to 20 of calcareous matter.

The mode of erriving at a proximate determination of the relative qualities of each of them was then shown. The quantity of moisture was found by day. ing a given weight in an oven, and finding the loss of weight; the quantity of regetable matter, by Leating a given weight of the dried soil to reduces, and estringting the lose; the quantity of soluble salts, by washing a given weight with water, filtering and evaporating the filtered liquor to dryness; the quantity of carbonic acid, by throwing a given weight of dry soil into a given weight of diluted bydrochlene acid, and estimating the loss of weight after offervescence had censed; the quantity of lime, by filtering the solution in hydrochloric acid thus made, and piecipitating by explate of ammonia; the quantites of clay and sand, by repeatedly washing a given weight of the soil with water, and pouring off after ellowing it to settle for a minute or two until the two were entirely separated, then drying and weighing cach.

TOBACCO .- So sensible is every brute creature of the poisonous and deleterious quality of this plant. that not one of all the various tribes of beasts, birds, or reptiles, has ever been known to teste of it. 15 has been reserved to man alone to make of this poisonous plant en artic's of daily necessity for the gratification of his depraved appetite.- The Mirror,

Sound and Light -- Sir John Hershell says that thunder can senicely be beard more than 20 or 10 miles from the flesh, but that lightning may be seen at a distance of 200 miles.

From the Agricultural Society.

AGRICULTURE OF MADISON COUNTY.

Madison county embraces fourteen towns, and contains 582 square miles, or 327,000 acres of land, and 40 039 inhabitants

The surface of this county is much diversified. The elevated ridge which separates the waters of the northern lakes from those of the Susquehannah river, passing through the southern part, renders it, with the middle, more or less hilly and uneven. These hills, however, are not so steep as to be unfit for cultivation. and the valleys are extensive and very fertile. The northern section of the county is generally more level.

The county is well watered by streams in almost every part, and in the northern towns of Sullivan and Lenox large masses of gypsum and water limestone, with some iron ore, are found. Common limestone is scattered in abundance over all the middle and

The Erie canal and the Utica and Syracuse railroad pass through the upper, and the Chenango canal intersects the lower part of the county, offording free outlets for all her products.

Soil .-- The fertility of the soil is very great; in deed it is supposed, in that particular, to be surpassed by but few counties of the State; and there is but httle land within its boundaries that is not well adapted to cultivation.

The northern parts are mostly of a limestone soil, except the low bottoms, which are sandy, and the mid dle and southern sections may be designated as of a clay bam, based upon shale, or slate rock. It is a fact worthy of remark, that this county seldom suffers from want of tain.

Productions -The northern part of the county being generally level, is admirably adapted to the growth of wheat and corn.

The centre and more elevated parts produce large nand as of any particular strain of blood. quantities of wheat, bailey, oats, corn and hops, and the southern parts grow hops, barley, corn, oats and potatoes, in which latter crop they exect the other parts of the county, both in quantity and quality.

The soil is almost every where natural for grass, the crops averaging from one and a half to two tons per acre, of a superior quality, mostly apland. And this, with but a small outlay, might be easily mereased to from 24 to 3 tons.

The wheat lands, under good management, give from 20 to 25 bushels per acre; barley 35 to 50; and oats from 40 to 70 boshels; in some cases coming up even to 100 bushels per acre. Large quantities of peas nie also giown.

The production will appear more accurately by reference to the returns of the consus of 1-40, in which year Madison county was shown to have raised

200.242 bushels of wheat.

135,€25 do burley. 342,207 do ont: 171,204 do corn. 676,649 do potatues. 370,024 pounds of wool.

117,270 do hons. 915.619 do

65.749 tons hav.

Butter and cheese to the amount of \$193,670. Which, together, at the low prices of 1840, yield the nor unit of \$1,359,345.

Markels .- The farmers of this county usually find a market for their produce with the merchants of the villages, who in turn send it to the city of New York. The cattle fattened for market are driven to Albany and New York city; and those for grazing are sent to Philadelphia, and the farms along the North river.

Cultivation .- Attention to agriculture has been

ransactions of the New York State ever, yet much room for improvement. But hale inportance is attached to regular systems or rotation of crops. Wheat is raised after summer fallow with two or three ploughings, and the some crops are frequently allowed to succeed each other.

The manure from stables is put generally upon the land, and plaster is also applied to winter grain and grass; but as yet very little value is attached to manure, and no methods are taken to increase it. Lime is seldom employed, although it is admirably adapted to the soil, and composts are unknown. There appears, however, to be a general awakening to the importance of the subsect.

Draining, particularly that under ground, has been partially attempted, but not to any extent, though the soil in many parts would be much improved

Of grass seeds, clover, timothy and reduca are used, the latter on interval lands hable to be flowed. Clover is soldom sowed alone, being usually mixed with timothy.

Top dressing grass lands is occacionally practised, and with great benefit.

The profitable practice of cutting or chopping straw for feeding stock may be said to be baidly known. Straw is generally stacked out, and cattle allowed to take what they want of it. It is also used for littering horses, but there are instances where it is hauled away from the buildings and burnt to get rid of it!

The east iron plough of various consumetions, with cultivators, harrows of different kinds, horse rakes, rollers, &c. &c., are in use, but few of the new improvements in agricultural implements are found here. unless perhaps occasionally a rowing machine.

Animals.-The horses of thes county are very good. strong, of good size, well made and admorably adapted to all farming purposes; but drey cannot be design

The breed of nent cattle is also excellent; cows on fresh summer feed, giv no, in some instances, 25 quarts of smilk per diem, and generally from 15 to 20. Blooded estile have not been introduced to any extent as yet. This conney, however, at the late fair of the State Agricultural Society at Syracuse, was among the successful competities for premiums in that line. D: overs from the east say that they find about the best of entile in this county and neighborhood.

In swine but little pains have been taken. The pork of this county is, however, very good, and in many instances Berkshires have been successfully crossed with the (so called) native breed.

The sheep of the county are generally Merino and Saxony. Formerly large flocks of full blooded animals of these breeds were found throughout the county, but now they are more maxed; attention not having been paid to keeping them separate.

Except by some few of the best farmers, no pains are taken to shelter sheep in winter. They are kep, usually in flocks of from 70 to 100, and from 300 to 1000 on a farm. The southern part of the county has been much afflicted with the rot or "foot ail," which breaking out in large flocks where the same at tention could not be given as to smaller ones, did much damage. It is however, now rather droumshing. As to the cause, farmers here, as elsewhere do not agree, each one having a theory of his own.

By the census before referred to, it appears there were in the county in 1840,

9.358 horses and males.

42,191 near cattle. 186,616 sheep. 30,657 swine.

Value of Land - Land in this county may be said to rise in value from \$10 to \$100 per acre, generally gradually increasing in this county; there is, how-laveraging from \$20 to \$50 - and the size of farms to land is proularly adapted to Indian corn, which has

ange from 50 to 600 acres; for the most part comorising from 100 to 150 neres each.

Timber .- The prevailing timber of the northern part of the county is maple, beech, oak and pone; and of the middle and southern sections, maple, beech, nemlock and bass. There is, however, throughout, a great variety, comprising waters or hickory, ash, birch, clm, spruce, white codur, chestnut, fir, butternut, poplar, balanm, whitewood and sycamore.

In conclusion: with regard to the "changes necessary to advance the agricultural prosperity of the county," it may be said, that the general diffusion of agricultural intelligence and disposition to seek for and take advantage of the improvements adopted by others, is all that is wanting to plene this county in the rank which the bounty of nature has intended it to

For this purpose no better means can be devised than attention to the different agricultural periodicals now published; which, from the extreme low price of subscription, are available to every farmer however s nall his means. The Genesce Farmer or the Cultivator should be in the hands of every one. These contain the results of the experience of our neighbors, and affording the means for the general interchange of ideas, cannot be too highly prized.

The Agricultural Society of the courty, also, which has been but lately estublished, will, it is hoped, do much towards its advancement.

We add a second account of the Agriculture of Madison County from an experienced hand,

The county of Madison contains a diversity of soils, and may be said to vary much in its climate; as the northerly part, between the Eric canal and the Oneida lake, is in general only between 350 and 400 teet above the level of the tide waters, while the central and southerly, and southwesterly peris rise in ranges of hills to the height of from 1600 to 1800 feet above the level of tide waters. There is always a marked difference in the time of the ripening of grains and the general maturing of crops between the lower and more elevated parts of the county-always being earlier in the northern and lowest part. The lands from the Oneida lake south to the Eric canal are level, the lake being only about 45 feet lower than the long or Utica level of the canal, and are generally a rich ellavial soi', some districts of which are well adapted to the culture of the different kinds of grains, and all, or most of it, is considered a great grass growing dietrict. Immediately south of the Erie canal, generally the land commences to rise until it terminates in the elevations before mentioned. A belt of land south of the Erie canal for some distance as it lises in the vicinity of the lime and gypsum formations, passing through the towns of Sullivan, Lenox and Stock bridge, is undoubtedly the best wheat district in the county, and also excellent for all other grain crops. There is another district of land, different from the rands of the county generally, and may be termed table land, and is of a general elevation of 800 feet above the Erie canal at Utica. This section of land commences in the east and northeasterly part of the own of Madison, passing west and south-westerly quite through the town into the easterly part of the town of Eston; thence more southerly through the west and southwest part of Manison, cust and southeast parts of Eaton, west part of Hamilton and east part of Lebanon, to the south line of the county, and passes into the county of Chenango from Hamilton, for ming the northern entrance of the Chennago valley. All of this district of land (or principally) is a very deep and porous louin and gravel soil; some parts andy loain and gravel, and is a strong and fertile soil.

matured on this land in one messentiavo

This district of land is also adapted to every other of the straw grains cultivated in our country, and invariably produces heavy crops, and is a natural grain growing district. Most of the town of Cazenovia is also adapted to the culture of grain.

There is in fact but little of the highest lands in the county but what produce good crops of spring wheat, barley and oats, and Indian corn matures on it in favorable seasons. Barley is shipped to the Albany market to some extent, but the surplus grain generally finds a market at the extensive distillaries in this and the adjacent county of Oncida. This county is susceptible of producing an amount of grain for export vasily larger than it does. Notwithstanding, as a whole, it is a better grazing than a grain growing county. It is probable that there will always be sufficient of the grains produced in the county for home consumption, and a considerable surplus for market, and particularly of the coarse grains. When the county was new, winter wheat was raised in shundence, even on the hill land, and on the first summer fallowing of pasture lands, heavy crops of winter wheat were produced, and were not have out by frost. No one then doubted but that it would always be a wheat country, and to a considerable extent it might still be, but for the action of the frost on the hill lands, heaving out the roots of winter wheat. There is but little hill land that has been pastured a few years and then summer fallowed, but has strength of soil sufficient to produce a heavy crop of winter wheat, and have it fill well when the action of the frost is prewented, which has been sufficiently proved; but spring whent on the hill lands generally is cultivated, on account of the precariousness of winter wheat; and the variety which obtains most favor is the Italian.

It has been abandantly proved, that spring wheat, bailey, and oats, can be advantageously produced on our uplands, on greensward turned over. But as a whole, the true interest and most permanent wealth of the inhabitants of the county, lies in the cultivation of the grasses, on which the greater portion of the farmers of many sections of the county, have for many years bestowed their chief attention, and in rearing neat stock for store cattle, fattening, and for the duiry, and numerous flocks of fine wooled, and other grades of sheep; which has been a lucrative business, having made many farmers wealthy, and all those in a thriving condition. The soil of the hill lands of the county, differs much from the table lands and the valleys, being generally free from gravel, and is generally composed of a rich loam and vegetable matter. The laam, in many places, is of a dark or chocolate color, in other places of a lighter color, ininclining to yellow.

The native growth of timber is maple, beech, white ash, white and redelm, butternut, cherry, some birch, in many places considerable hemlock, butternut hickory, and in the northern and northwestern parts of the county white and black oak, and bickory : and in swamps, white pine, cedar, and black ash. There are some upland pine lands, but they are not extensive, and the timber has principally been converted into buildings. The neatstock of the county is mainly of the native breeds; there are not many Short Horn Durhams, though some. There is yearly a considerable number of neat cattle fattened for market. The principal article of food in fattening them, is the potatoe; but Indian meal, barley and out meal, is also used as feed with the potatoe, and also oil cake. Pork is also fattened extensively on potatoes boiled and mixed with barley, and out-meal, pens, and some Indian corn is fed towards the close of the fattening, but is not extensively fed. Good and heavy park is made by the above mode of feeding. Those who keep a dairy, fatten hogs on the refuse of the dairy.

le livine consists of various basand are much improved since the first so tlement of crosses from them, are becoming common, and are in high repute.

Of sheep the Merino and Saxony have prevailed, with every imaginable grade, by crosses on the na-

As a root crop, potatoes prevail vastly over all others, and are extensively cultivated both for fattening domestic uniquals and for feeding store cattle; and are abundantly produced, or can be, on most soils in the county. The ruta baga has been cultivated by some. but has not obtained favor with the farmers generally. Carrots are cultivated to a limited extent by some and fed to mileh cows and other stock, and are held in high repute. Hops have been extensively cultivated from an early day in this count; and yet continue to be, which has been a source of considerable wealth to those engaged in that culture.

The ploughs in use are the cost iron, of various patterns, no one prevailing exclusively. Double or binge harrows, are much used of late years, and are considered a great improvement in that article. ' Cul tivators of several models are used among corn, and are considered an improvement by many, over ploughing among it, at the time of boeing.

Of grasses for mondow, timothy or herds grass, is mostly cultivated, clover mixed with it to some extent, On wet or awampy lands, red top or foul nicodow. The principal grasses cultivated in the county for mendow and pasture, are red and white clover, herds grass or tonothy, red top and foul mendow. Spear or June grass, grows spontaneously without cultivation. Some orchard grass or Ductylis glomerata, is cultivated by some, and produces on excellent lay, and an abundant growth of feed for pasture, and for that purpose is most valuable, starting earlier in the spring, and after being mowed or fed off, enduring the drought better, and yielding feed later in the fall than any other, and its roots never winter killing, and is easily subdued. Its culture should be extended. and particularly for pasturage. The greater part of the county being hilly with numerous valleys of rich land, the hills abounding with springs, which water the valleys, peculiarly adapts it for a grazing and stock growing county; and all the best grain districts will also produce good meadows and pasturage. The fat cattle and sheep, pork, butter, cheese and latd. are principally sent to, or purchased for the New York

Store cattle and swine are either sent to, or purchased for the different eastern markets. The aggregate appenal value of grain, store and fat cattle, pork, lard, and store swine, store sheep and wool, hope, and tho products of the dairy, that are sold at the different markets. I have not the statistics of before me, but which I think amounts to nearly \$2,000,000.

Wool is one of the principal staples, some of whielifinds a market at the manufactories of this and the admeent counties; but it is mostly purchased by wool staplers for the manufactories in the New England

In addition to farmyard manures, gypsum is used to a considerable extent as a fertilizer, particularly on pasture and meadow lands.

In regard to rotation of crops, the practice that most prevails, and particularly on the gravel table lands, is, to spread the stable and barn-yard manures on the greensward of pasture or mendow lands, enrefully turn it under, pass over a roller, diag with a light harrow, and plant Indian corn, dress the crop with a cultivator, and hoe twice; and it is not uncommon to obtain a yield of from sixty to seventy bushels per nere. The succeeding spring this land is sown with

... produces a heavy grop; the stubour exception. ble is then turned under and sown to winter wheat, the county, and are still improving. Berkshires, and and seeded to grass; the wheat yielding generally a heavy crop, and the land left in a better condition than before. The same rotation prevails to some extent on the up or hill lands, except sowing spring grain, generally after barley; the crop of winter wheat being more precarious on such land.

> In regard to the culture of cilk, a number have commenced the business on a small ceale, and their experiments have generally been satisfactory, demonstrating that it can be made a lucrative employment for females, and the labor of children. In fact, there cannot be for females so lucrative a domestic employ. ment, to those who wish to be industrious, as the culture of silk, and of manufacturing the raw material into sewing salk and various articles of dress, both for use and ornament, for which the ingenuty of the fair of our country are distinguished. But the maics must furnish the plantation of mulberry trees.

The Morus Oregona, or Oregon Malberry, was introduced into this place by me, some five years ago, or five years next epring. They prove to be hardier than any other kind or variety with which I am acanninted, and I have ten different kinds and varieties. My new plant has endured the rigors of our severe winters, without injury, where the Italian, or Morus alba, standing beside them, would be killed, both the branches and the main stem. I have them growing at an elevation of about 1300 feet clove the level of the tide waters at Albany, and nearly 43° N. latitude. and flourish well. The leaf of this new plant is larver than the Multicanlis usually is, and is much thicker and more heavy, being a more fleshy leaf then any other of the mulberry species known to me, wah but very little woody fibre in the leaf; and it contains much more milk juice, and less of water, than any kind known to me. I have fed the leaf of this new plant to silk worms, four ceasons, and in all cases my worms did better, fed with this leaf; were more healthy, and made better eccoons, than those fed on the other kinds; and in all cases, produced a finer and more flexible filament, and of a richer and more brill ant lustre than I have ever seen on any silk other than this, either foreign or domestic; and the silk has been so pronounced, by bundreds of the best jodges of the article. This tree will certainly be an neg tisition to silk culturists, particularly in the northern States, as the culture of silk progresses, and the merits of this tree becomes known.

In regard to the value of lands, there is but little improved or partly improved, in the remotest situations but will sell for \$10 per acre; and better lands, and more favorably situated, are valued from \$25 to \$35 per acre : while the best situations, of farms, both in regard to the roughfares, soil and buildings, are valued at from \$40 to \$60 per acre. Farms have been sold as high as \$60 per acre: but the average value of land in the county, I think, would not execcd \$25 per acre.

The Names of Plants and Flowers.

It is proposed to substitute plain English for the dog latin terms at present applied to plants and flowers—an alteration which would, we think, be advantageous, and meet with general approval. whom nothing was too minute to escape, has admiraoly ridiculed this botanical pedantry :

" High-sounding words our worthy gardener gets, And at his club to wondering awains repeats; He there of Rims and Rhododendion speaks, And Allium calls his Omons and his Lecks. Nor weeds are now; from whence arose the weed, Searce plants, fair herbs, and curious flowers proceed; Where cuckoo pints and Dandelions sprung, Gross names had they our plainer sirea among,) There Aroms, there Leontodons we view, And Artemisia grows where Wormwood grew."

THE NEW SENES E FARMER
AND GARDENERS' JOURNAL.
Vol. IV, for 1813.

Published by C. F. Crosman and E. Sherand, Rochester. Statest pages mouthly, enlarged and improved; price \$1 per year.

The character of the Genesee Farmer, both old and new, has been well known, and its ability and usefulness universally applicated. Published in one of the best farming districts in the world, and in one of the finest and businest cities of the griwing west, the very home of active industry and intelligence, where information and mechanical talent of the high-rest order are concentrated. No pains will be spared to make it all that such a paper should be.

Under present arrangements, Mr. Coloron is expected to contine in the educial department for the first third of the year; and whenever he retires from its supervision, it will pass into able and competent hands, who will do justice to the paper and its subserbless. Mr. Coloron contemplates an agricultural Tour in Europe, and will be a regular correspondent of the paper through the year.

Mr. Batcham, as travelling agent and correspondent, designs to spend most of his time among the farmers, observing their condition, and operations, and his contributions will be interesting and practical. The numerous and able correspondents of the N. G. Farmer, it is expected, will continue their valuable contaibutions. With these arrangements, the proprietors feel assured that the long tried friends of the Gonesee Farmer will not desert the paper; but will use their influence to extend its circulation and usefulness. If each subscriber would nake it an object to procure one other, he would render an essential public benefit. The correspondence being extended throughout the country, the paper will embine the husbandry of the whole; of New England, the Cana las, the Middle, the Southern and Western States; and it will communicate the fullest intelligence of the pragress of an igniture in the old world. Game conneeted with an extensive Agricultural Establishment for seeds and implements, under the management of one of the Publishers, it will furnish informs. tion of all improvements in these departments. The proprietors will use their utmost undervers to concentrate the best talent in its management; to have its mechanical execution and appearance greatly improved, and to render it entirely worthy of the patronage of practical and intelligent farmers.

Six Copies will be furnished for \$5. Thereex Copies for \$10. On Twenty Copies and over, a discount of thirty per cent will be under. Bills of all specie paying banks will be taken at year.

Editors who will give the prospectus one or more insertions, will be entitled to receive one volume of the paper without an exchange.

Parmastens are permitted by bow to remit poncy free of postage. The friends of agriculture face respectfully requested to assist in obtaining sobsectibers. Back numbers or volumes can be furnished.

Communications on business or for the paper, may be addressed to Cros non & Stepard, Rochester.

Wayne County Agricultural So lety.

From some strange circumstance, the following errors occurred in the account of this society in our last number, some of which wholly after the meaning:—

For 'eight month' read October.

10th line, for 'difference' read deficiency.

4) Hine, for 'half-blood' read half-bloods, 52d line, for 'and' read are.

64.h line, for 'in' read i'r.

Last line, for 'J J. T ' read N B.

Engineers, Americalizated Pour and Survey, Soveral gentement, uncertaint the advancement of agricultural science and improvement and of intal education, have proposed to Mr. Henry Colman, late Commissioner of Agricultural Survey of Massectivity, to visit Europe for these of peta. The plan is him to spend a year in England in the examination of the Husbandry and Rural Economy of that country, and a year on the Continent in the examination of French, Frenchs, Swiss and German Husbandry, and especially the Agricultural or Manual lubor Schools and the experimental Fature.

It is thought that such an examination, as yet never un'ertaken by an American, might, if well conducted essentially conduce to the advangement of agricultural knowledge and unprovenent in this country, and especially serve the cause of rural and practical education, which is now exciting great interest they out the United Strees. The general plan of the Survey will conform to Mr. Coman's Survey of the Agriculture of Massachusetts.

It is urspessed to publish his reports in successive Now. The first number is expected to appear by the first of January, 1814, and some in practicable. The rest of the numbers will follow in convenient succession at metrylaked two or three mentles.

The whole work will be commised in eight, or at most ten, numbers of at least 100 pages such hands somely printed in an octave form, satisfied and cover ed, and embellished with necessary and useful drawings and against a title mass and index to the said state.

ings and enginvings, title pages and index.

The eset will be 50 cents each number or subscribers. Gentlemen who subscribe are understood as subscribing for the whole work.

As the enterprise involves of measure a large exgense, it is executed that one doth; per cone will be naid on subscribing; or otherwise, one dother on the delivery of the first number; one on the delivery of the second number; one on the delivery of the fit is number; one on the delivery of the seventh namher; and one on die delivery of the ninth number, should the work be exceeded to tern numbers.

Mr. Column will leave for Europeans soon as the subscription will warrant the undertaking.

An early return is rect ceffully requested of gentlement to whom this is sent, ad hossed to Henry Colman, Robelstr, N. Y.; to Little & Bonwn, Baston, Masa; to Challes S. Plancis & Co., No. 252, Broad, way, New York; or to Luther Tucker, Cultivator Office, Albany, N. Y.

To Subscribers and Correspondents.

October 4, 1842.

The December untaker of the Generor Former has been delayed until this time, on account of the new arrangements made necessary by a change of proprietorship, and Mr. Colman's preparations for his Foreign Tour. Every effort will be made hercafter to ensure punctuality of publication and delivery.

Several cases have within a few months come to our knowledge of a failure of the receipt of the paper on the part of our subscribers. Much of the blame, we fear, to our great regret, belongs to ourselves; but the cause, which we lattle suspected, I as been discovered; and we trust there will be no mone reason for semiliant.

The Editor was anxious to mention perticularly, in this number the receipt of many valuable communications. He has not now room to do this; but they have been received with g stead respect; and his friends may be assured shall be duly acknowledged.

Monros County -- Votice.

The annual meeting of the Monroe County Agricultural Society will be held at the Arcade Honse, Rochester, on Wednes lay, the idit of January, at 11 o'clock, A. M., when the premiums will be awarded on Routs, Gram and Field Crops, and officers will be elected for the ensuing year.

Competitors for premiume on crops are requested to be particular in making out their statements and certificates—as required by the law of the state—(see the Sept. No. of the current vol. of the Parmer,) and it is very desirable that the chains and certificates be handed to the President or Secretary as early as the lat of January.

METEOROLOGICAL OBSERVATIONS,

MADE AT THE ROUMESTER COLLEGIATE INSTITUTE BY L. WEPHERELL, NOVEMBER, 1842.

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Range of Thermometre for the month, 43 deg. The fall of rain for the month of Oct. 2.20 inch. Mean Temperature of "1842, 48.31 deg.

1841, 44,46 °C 1840, 47,23 °C

Remarks on the Weather from October 26th to November 25th, Oct 26th, slight showers this afternoon; 23th, frost this morning; 29th, Indon summer commences

-continues to the end of the month. Nov. 3d, severe frest this morning-wild geese seen; 6th, Indian summer continues—it has been very fine for several days; 18th, commenced in ning that evening about 11 o'clock and entimed rainy through the day; 19th, tainy this morning, snow this atternoon, first this autumn; cleared off at smast; 10th, commenced mining about noon; 18th, pleas-

wind, snow and finat during the night; 19 h, snow storm last night, with high wind; 20th, high wind; with snow somalis; 24th, snow last night. The work ending Nov. 24th, has been very cold and wind—much colder than the corresponding week of bat year. The navigation on the Ene canal has closed luring this week.

ant and warm early in the evening-Ther. 46: main,

Winter seems to have commenced quite early: Nov. 22d,—at the rang of the moon this evening between 8 and 9 o'clock, there appeared a cone of 15 degrees in length, as I judged, above it, of remarks ble brightness.

ROCHESTER SEED STORE AND SEED GARDEN.

NEW ARRANGEAPANT—C. F. Corsonan baving purleased the entire business and effects of the Rochester
Scot Shore at Sires to human the Agents and Costomers, and
at who may wish to patt mee the exhibitionant, that he is
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PRINTED FOR THE PROPRIETOR, M. B. BATKHAM, B. Henry O'Reidy and John I. Reidy, Book and John Printers, and Publishers of the "Rochestor Evening Post" of d" Women New-Yorker"

